

THE
EDINBURGH
University Calendar

1906-1907



EDINBURGH
Printed and Published for the University
BY JAMES THIN, 55 SOUTH BRIDGE

MCMVI

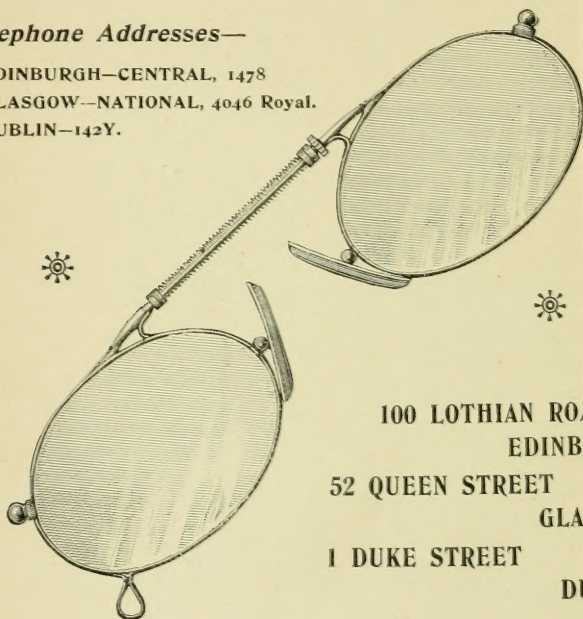
SPECIALISTS IN
SPECTACLES

Telephone Addresses—

EDINBURGH—CENTRAL, 1478

GLASGOW—NATIONAL, 4046 Royal.

DUBLIN—142Y.



100 LOTHIAN ROAD
EDINBURGH

52 QUEEN STREET
GLASGOW

1 DUKE STREET
DUBLIN

MANUFACTURERS OF SPECTACLES

For the correction of all forms of defective and impaired vision

GEORGE PRESCOTT, Ltd.
(J. H. MURRAY)

MACMILLAN & CO.'S

BOOKS SUITABLE FOR THE EDINBURGH GRADUATION IN ARTS
—PASS EXAMINATIONS, 1906-7.

LATIN AND GREEK.

SET BOOKS.

	s.	d.
Virgil's <i>Æneid</i> .—Book III. T. E. Page, ...	1	6
——— <i>Æneid</i> .—Book VI. T. E. Page, ...	1	6
——— <i>Æneid</i> .—Books I.-VI. T. E. Page, ...	5	0
Horace's <i>Odes</i> .—Book III. T. E. Page, ...	1	6
——— <i>Odes</i> .—Book III. T. E. Page, ...	2	0
Tacitus's <i>Agricola</i> . A. J. Church and W. J. Brodribb, .	2	0
Virgil. Translated by J. Lonsdale and S. Lee. Globe Edition, ...	3	6
Horace. Translated by J. Lonsdale and S. Lee. Globe Edition, ...	3	6
Homer's <i>Iliad</i> .—Book XVIII. S. R. James, ...	1	6
——— Books XIII.-XXIV. Walter Leaf and M. A. Bayfield, .	6	0
Thucydides.—Book III. By E. C. Marchant, M.A. [<i>In preparation</i>].		
Bury's <i>History of Greece to the Death of Alexander the Great</i> . Illustrated, ...	8	6

GRAMMAR AND COMPOSITION.

Nall's <i>Elementary Latin-English Dictionary</i> , ...	3	6
Middleton and Mill's <i>Student's Companion to Latin Authors</i> , ...	6	0
Lindsay's <i>Introduction to Latin Textual Emendation</i> , ...	3	6
Meissner's <i>Latin Phraseology</i> , ...	4	6
Roby's <i>Latin Grammar</i> . Part I., ...	9	0
——— Part II., ...	10	6
Roby's <i>School Latin Grammar</i> , ...	5	0
Gildersleeve and Lodge's <i>Latin Grammar</i> , ...	6	0
Alford's <i>Latin Passages for Translation</i> , ...	3	0
Potts's <i>Hints towards Latin Prose Composition</i> , ...	3	0
——— <i>Passages for Translation into Latin Prose</i> , ...	2	0
Key, 4s. 6d. net.		
Bryans's <i>Latin Prose Exercises based upon Cæsar's Gallic War</i> , ...	2	6
Key, 4s. 6d. net.		
Postgate's <i>Sermo Latinus</i> , ...	2	6
Key, 4s. 6d. net.		
Simpson's <i>Latin Prose after the Best Authors</i> , ...	2	6
Key, 5s. net.		
Burrows and Walters's <i>Florilegium Tironis Græcum</i> , ...	4	6
Pitman's <i>Greek Prose Composition</i> , ...	2	6
Key, 5s. net.		
Andrew's <i>Greek Prose Composition</i> , ...	3	6
Key, 5s. net.		
Rutherford's <i>Greek Grammar</i> , ...	3	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

LATIN AND GREEK—continued.

	s.	d.
Goodwin's Greek Grammar, ...	6	0
— School Greek Grammar, ...	3	6
— Syntax of the Moods and Tenses of the Greek Verb, ...	14	0
Abridged Edition, ...	6	6
Jannaris's Historical Greek Grammar, ... (net)	25	0
Giles's Short Manual of Comparative Philology, ...	14	0
Autenrieth's Homeric Dictionary, ...	6	0

CLASSICAL LITERATURE AND ANTIQUITIES.

Hill's Illustrations of School Classics, ...	6	0
Hill's Handbook of Greek and Roman Coins, ...	9	0
Jackson's Texts to Illustrate a Course of Ele- mentary Lectures on the History of Greek Philosophy from Thales to Aristotle, ... (net)	4	6
Adam's Texts to Illustrate a Course of Elemen- tary Lectures on Greek Philosophy after Aristotle, ... (net)	3	6
E. A. Gardner's Ancient Athens, ... (net)	21	0
— Handbook of Greek Sculpture. Two Parts, (Separately, 5s. each.)	10	0
Greenidge's Outlines of Greek Constitutional History, ...	5	0
— Roman Public Life, ...	10	6
P. Gardner's Grammar of Greek Art.	7	6
Bury's History of Greece to the Death of Alexander the Great, ...	8	6
— Library Edition in 2 vols., ... (net)	25	0
— History of Greece for Beginners, ...	3	6
Holm's History of Greece. Vols I., II., and III. each (net)	6	0
Vol. IV., ... (net)	7	6
Botsford's History of Greece (net)	6	6
Tarbell's History of Greek Art, ...	6	0
Hirn's Origins of Art, ... (net)	10	0
Jones's Select Passages from Ancient Writers, Illustrative of the History of Greek Sculpture, ... (net)	7	0
Mau's Pompeii: Its Life and Art, ... (net)	10	6
Holmes's Cæsar's Conquest of Gaul, ... (net)	21	0
— Cæsar's Conquest of Gaul. An Historical Narrative. (Being Part I. of the larger work), ... (net)	6	0
Erman's Life in Ancient Egypt, ... (net)	21	0
Schreiber's Atlas of Classical Antiquities, ... (net)	21	0
Jebb's Growth and Influence of Greek Poetry, ... (net)	7	0
Butcher's Some Aspects of the Greek Genius, ... (net)	7	0
— Harvard Lectures on Greek Subjects, ... (net)	7	0
Mahaffy's Social Life of the Greeks— I. Social Life in Greece, ...	9	0
II. Greek Life and Thought, ...	12	6
— Rambles and Studies in Greece, ...	10	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

<i>CLASSICAL LITERATURE AND ANTIQUITIES—continued.</i> s. D.			
Mahaffy's Empire of the Ptolemies, ...	12	6	
— History of Classical Greek Literature.			
2 Vols. Vol. I. The Poets. In 2 Parts, ...	each	4	6
Vol. II. The Prose Writers. In 2 Parts, ...	each	4	6
— Problems in Greek History, ...	7	6	
— Survey of Greek Civilization, ...	6	0	
— Primer of Greek Antiquities, ...	1	0	
Jebb's Primer of Greek Literature, ...	1	0	
Shuckburgh's History of Rome to the Battle of Actium, ...	8	6	
— History of Rome for Beginners, ...	3	6	
Mommsen's History of Rome. In 5 Vols. (each sold separately, 7s. 6d.), ...	37	6	
Also an Abridged Edition for the use of Schools and Colleges, ...	7	6	
— History of the Roman Provinces. In 2 Vols., ...	36	0	
Fowler's Roman Festivals of the Period of the Republic, ...	6	0	
Bury's History of the Later Roman Empire from Arcadius to Irene, A.D. 395 to 800. 2 Vols., ...	32	0	
Dill's Roman Society in the Last Century of the Western Empire, ...	(net) 8	6	
— Roman Society from Nero to Marcus Aurelius, ...	(net) 15	0	
Botsford's History of Rome, ...	6	6	
Gow's Companion to School Classics, ...	6	0	
Tyrrell's Latin Poetry, ...	(net) 7	0	
— Anthology of Latin Poetry, ...	4	6	
Fowler's City State of the Greeks and Romans, ...	5	0	
Wilkins's Primer of Roman Antiquities, ...	1	0	
— Primer of Roman Literature, ...	1	0	

ENGLISH.

SET BOOKS.

Morris's Historical Outlines of English Accidence. New Edition, revised by L. Kelner and Henry Bradley, ...	6	0	
Saintsbury's Short History of English Literature, ...	8	6	
Shakespeare's Hamlet. K. Deighton, ...	2	6	
— Midsummer Night's Dream. K. Deighton, ...	1	9	
Ransome's Short Studies of Shakespeare's Plots, Hamlet. Sewed, ...	0	9	
Chaucer's Prologue. A. W. Pollard, ...	1	9	
— Prologue. M. H. Liddell, ...	3	6	
— Prologue. A. Ingraham, ...	(net) 1	0	
Spenser's Faerie Queene. Book I. H. M. Percival, ...	3	0	
Milton's Lycidas. W. Bell. Sewed, ...	0	6	
— Lycidas, Sonnets, &c. W. Bell, ...	1	9	
— Areopagitica. H. B. Cotterill, ...	2	0	
Pope's Essay on Criticism. J. Churton Collins, ...	1	9	
Cowper's Poetical Works. Canon Benham, ...	3	6	

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

ENGLISH—continued.

Shelley's Poems (contains Adonais).	S. A. Brooke, (net)	2	6
Arnold's Complete Poetical Works.		7	6
—— Poems. Selected and edited by G. C. Macaulay,		2	6

GRAMMAR, COMPOSITION, AND LITERATURE.

Nesfield's English Grammar, Past and Present,		4	6
Key, 2s. 6d. net.			
—— Senior Course of English Composition,		3	6
Key, sewed, 1s. net.			
—— Errors in English Composition,		3	6
Bradley's Making of English,		4	6
Abbott's Shakespearian Grammar,		6	0
Greenough and Kittredge's Words and their Ways in English Speech,	(net)	5	0
Kellner's Historical Lessons in English Syntax,		6	0
Morris & Kellner's Historical Outlines of English Accidence,		6	0
Carpenter's Principles of English Grammar,		4	6
—— Elements of Rhetoric and English Com- position,		4	6
—— Exercises in Rhetoric and English Com- position (Advanced Course),		4	6
Lewis's First Book in Writing English,		3	6
—— First Manual of Composition,		3	6
—— Second Manual of Composition,		4	6
Saintsbury's Short History of English Literature,		8	6
Brooke's English Literature, A.D. 670—A.D. 1832,		3	6
—— English Literature from the Beginning to the Norman Conquest,		7	6
Saintsbury's Elizabethan Literature, 1560-1665,		7	6
Gosse's Eighteenth Century Literature, 1660- 1780,		7	6
Saintsbury's Nineteenth Century Literature, 1780-1895,		7	6
Stephen Gwynn's Masters of English Literature,		3	6
Ker's Essays on Mediæval Literature.	(net)	5	0
Mathew's English Literature,		4	6
Ward's History of English Dramatic Literature to the Death of Queen Anne. In 3 Vols.,	(net)	36	0
Ryland's Chronological Outlines of English Literature,		6	0
Craik's English Prose Selections. Vol. I., 14th to 16th Century. Vol. II., 16th Century to the Restoration. Vol. III., 17th Century. Vol. IV., 18th Century,	each	7	6
Vol. V., 19th Century,		8	6
Ward's English Poets. Vol. I., Chaucer to Donne.	each	7	6
Vol. II., Ben Jonson to Dryden. Vol. III., Addison to Blake,			
Vol. IV., Wordsworth to Tennyson,		8	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

FRENCH AND GERMAN.

SET BOOKS.

Molière's <i>L'Avare</i> . L. M. Moriarty, ...	s. D.	1 0
— <i>Le Bourgeois Gentilhomme</i> . L. M. Moriarty, ...		1 6
La Bruyère's <i>Les Caractères</i> (Selections). E. Pellissier, ...		2 6
Lessing's <i>Minna von Barnhelm</i> . C. Merk, ...		2 6
— <i>Minna von Barnhelm</i> . S. W. Cutting, ...		3 6
Goethe's <i>Iphigenie auf Tauris</i> . H. B. Cotterill, ...		3 0
— <i>Iphigenie auf Tauris</i> . C. A. Eggert, ...		3 6
Schiller's <i>Wallenstein</i> (Contains Tod.) M. Winkler, ...		5 0

COMPOSITION, GRAMMAR, AND DICTIONARIES.

Fasnacht's <i>French Composition</i> . Part I., Elementary, 2s. 6d.; Key, 4s. 6d. net. Part II., Advanced, 5s.; Key, 5s. net.		
Fasnacht's <i>Abridged French Grammar</i> , ...	2 6	
James and Molé's <i>Dictionary of the French and English Languages</i> , ...	4 6	
Elwall and Masson's <i>Dictionary of the French Language</i> , ...	3 6	
Fasnacht's <i>German Composition</i> , ...	2 6	
Key, 4s. 6d. net.		
Whitney's <i>Compendious German Grammar</i> , ...	4 6	
Whitney and Edgren's <i>German and English Dictionary</i> , ...	5 0	
German-English part separate, 3s. 6d.		

HISTORY AND LAW.

Bodley's <i>France</i> , ...	(net) 10 0
Bryce's <i>American Commonwealth</i> . 2 vols., ...	each 12 6
Green's <i>History of the English People</i> . 8 vols., each (net) 4 0	
— <i>Short History of the English People</i> , ...	8 6
Reich's <i>New Students' Atlas of English History</i> , (net) 10 0	
Kendall's <i>Source-Book of English History</i> , ...	(net) 3 6
Goldwin Smith's <i>United Kingdom</i> . 2 vols., ...	(net) 15 0
Hassall's <i>Handbook of European History</i> , 476-1871, ...	(net) 8 6
Dicey's <i>Law and Public Opinion in England</i> , (net) 10 6	
Dicey's <i>Introduction to the Study of the Law of the Constitution</i> . Sixth Edition, ...	(net) 10 6
Leage's <i>Roman Private Law</i> . Founded on the "Institutes" of Gaius and Justinian, ...	(net) 10 0

MORAL AND MENTAL PHILOSOPHY.

Mackenzie's <i>Outlines of Metaphysics</i> , ...	4 6
Plato's <i>Republic</i> . Translated by Davies and Vaughan, (net) 2 6	
Ray's <i>Deductive Logic</i> , ...	4 6
Venn's <i>Principles of Empirical or Deductive Logic</i> , ...	18 0
— <i>Logic of Chance</i> , ...	10 6
Keynes's <i>Formal Logic</i> , ...	12 0
D'Arcy's <i>Short Studies of Ethics</i> , ...	(net) 5 0

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

MORAL AND MENTAL PHILOSOPHY— <i>continued.</i>		s.	d.
Sidgwick's Outlines of the History of Ethics,		3	6
—— Methods of Ethics,	(net)	14	0
Mezes's Ethics: Descriptive and Explanatory,	(net)	10	6
Taylor's Problem of Conduct,	(net)	10	0
Ritchie's Philosophical Studies. Edited by Prof. R. Latta,	(net)	10	0
Janet and Séailles's History of the Problems of Philosophy. Translated by Miss A. Monahan. 2 Vols.,	each (net)	10	0
Calderwood's Handbook of Moral Philosophy,		6	0
Kant's Critical Philosophy for English Readers. Mahaffy and Bernard. Vol. I.—The Kritik of Pure Reason Explained and Defended,		7	6
Vol. II.—The Prolegomena translated, &c.,		6	0
Deussen's Elements of Metaphysics,		6	0
Leibnitz's New Essays concerning Human Understanding,	(net)	14	0
Höfding's History of Modern Philosophy. 2 Vols.,	each (net)	15	0
Windelband's History of Philosophy,	(net)	21	0
Sidgwick's Philosophy, its Scope and Relations,	(net)	6	6
—— Elements of Politics,	(net)	14	0
—— Lectures on the Philosophy of Kant, and other Philosophical Lectures and Essays,	(net)	10	0
Baldwin's Dictionary of Philosophy and Psychology. 3 Vols. Vols. I. and II.,	each (net)	21	0
Vol. III., 2 Parts,	(net)	42	0
Höfding's Outlines of Psychology,		6	0
Jastrow's Psychology,	(net)	8	6
James's Principles of Psychology. 2 Vols.,	(net)	25	0
—— Text-Book of Psychology,	(net)	7	0
Baldwin's Elements of Psychology,		7	6
Titchener's Outline of Psychology,	(net)	6	6
—— Primer of Psychology,		4	6
—— Experimental Psychology. A Manual of Laboratory Practice. Vol. I.—Qualitative Experiments. Part I., Student's Manual,	(net)	8	6
Part II., Instructor's Manual,	(net)	10	0
Vol. II.—Quantitative Experiments. Part I., Student's Manual,	(net)	6	0
Part II., Instructor's Manual,	(net)	10	6
Baillie's Origin and Significance of Hegel's Logic,	(net)	8	6

POLITICAL ECONOMY.

Walker's Political Economy,		12	6
—— Brief Text-book of Political Economy,		6	6
—— First Lessons in Political Economy,		5	0
—— International Bimetallism,	(net)	5	0
—— Wages Question,	(net)	8	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

POLITICAL ECONOMY—*continued.*

	S.	D.
Carlile's Evolution of Modern Money, ...	(net) 7	6
Pierson & Wotzel's Principles of Economics, Vol. I.	(net) 10	0
Pantaleoni's Pure Economics, ...	(net) 10	0
Bastable's Public Finance, ...	(net) 12	6
Palgrave's Dictionary of Political Economy, In 3 vols., ... each	(net) 21	0
Sidgwick's Principles of Political Economy, ...	(net) 14	0
Marshall's Principles of Economics. Vol. I., ...	(net) 12	6
— Elements of the Economics of Industry, ...	3	6
Fawcett's Manual of Political Economy, ...	12	0
W. S. Jevons's Theory of Political Economy, ...	10	6
— Principles of Economics. Edited, with additions, by H. Higgs, ...	(net) 10	0
H. S. Jevons's Essays on Economics, ...	(net) 5	0
Keynes's Scope and Method of Political Economy, ...	(net) 7	0
Cossa's Introduction to the Study of Political Economy, ...	(net) 8	6
Wicksteed's Alphabet of Economic Science, ...	2	6
Clare's A B C of the Foreign Exchanges, ...	(net) 3	0
Helm's Joint Standard, ...	(net) 3	6
Wieser's Natural Value, ...	(net) 10	0
Smart's Studies in Economics, ...	(net) 8	6

ALGEBRA.

Hall's Short Introduction to Graphical Algebra, Key, 3s. 6d.	1	0
— Easy Graphs, ...	1	0
Hall and Knight's Elementary Algebra for Schools. (With a Chapter on Graphs), ...	3	6
With Answers, 4s. 6d. Key, 8s. 6d. Answers, 1s.	7	6
— Higher Algebra, ...	7	6
Key, 10s. 6d.		
Charles Smith's Elementary Algebra. (With a Chapter on Graphs), ...	4	6
Key, 8s. 6d.		
— Treatise on Algebra, ...	7	6
Key, 10s. 6d.		
Todhunter's Algebra. For Colleges and Schools, ...	7	6
Key, 10s. 6d.		
Todhunter & Loney's Algebra for Beginners (With a Chapter on Graphs), ...	3	6
With Answers, 4s. 6d. Key, 8s. 6d. net.		
Dupuis's Principles of Elementary Algebra, ...	6	0

EUCLID AND PURE GEOMETRY.

Eggar's Practical Exercises in Geometry. With Answers, ...	2	6
— Manual of Geometry, ...	3	6
Foster and Dobbs's Practical Geometry for Beginners, ...	2	6
Hall & Stevens's Lessons in Experimental and Practical Geometry, ...	1	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

EUCLID AND PURE GEOMETRY—continued.

	s.	d.
Hall & Stevens's School Geometry, ...	4	6
Or Part I., 1s. Parts I. and II., 1s. 6d. Key , 3s. 6d. Part III., 1s. Parts I.-III., 2s. 6d. Parts III. and IV., 1s. 6d. Part IV., sewed, 6d. Parts I.-IV., 3s. Key , 6s. Part V., 1s. 6d. Parts I.-V., 4s. Parts IV. and V., 2s. Part VI., 1s. 6d. Parts IV., V. and VI., 2s. 6d. Parts I.-VI., 4s. 6d. Key , 8s. 6d.		
Allcock's Theoretical Geometry for Beginners.		
Parts I., II., III., and IV., ...	each 1	6
Barnard & Child's New Geometry for Schools,	4	6
— New Geometry for Junior Forms, ...	2	6
— New Geometry for Senior Forms, ...	3	6
Hall and Stevens's Text-Book of Euclid's Elements. Complete, ...	4	6
Or:—Book I., 1s. Books I. and II., 1s. 6d. Books I.-III., 2s. 6d.; sewed, 2s. Books II. and III., 2s. Books I.-IV., 3s. Books III. and IV., 2s. Books III.-VI., 3s. Books IV.-VI., 2s. 6d. Books V., VI., XI. and XII., Props. 1-3, 2s. 6d. Book XI., 1s. Key to Books I.-IV., 6s. 6d. Key to Books VI. and XI., 3s. 6d. Key to Books I.-VI. and XI., 8s. 6d.		
Todhunter and Loney's Elements of Euclid, ...	4	6
Book I., 1s. Books I. and II., 1s. 6d. Books I.-IV., 3s. 6d.		
Lachlan's Elementary Treatise on Modern Pure Geometry,	9	0
Croome Smith's Primer of Geometry, ...	2	0
Smith and Bryant's Euclid's Elements of Geometry,	4	6
Book I., 1s. Books I. and II., 1s. 6d. Books III. and IV., 2s. Books I.-IV., 3s. Books VI. and XI., 1s. 6d. Key to, complete, 8s. 6d.		
Smith's Introductory Modern Geometry of Point, Ray, and Circle,	5	0
Weeks's Exercises in Euclid, Graduated and Systematized,	3	0
Mukhopadhyay's Geometrical Conic Sections, ...	4	6
Charles Smith's Geometrical Conics, ...	6	0
Key , 6s.		
Drew's Geometrical Treatise on Conic Sections,	5	0
Wilson's Elementary Geometry. Books I.-V. (Corresponding to Euclid. Books I.-VI.), ...	4	6
— Solid Geometry and Conic Sections, ...	3	6

TRIGONOMETRY.

Hall and Knight's Elementary Trigonometry, ...	4	6
Key , 8s. 6d.		
Lock's Elementary Trigonometry, ...	4	6
Key , 8s. 6d.		
— Higher Trigonometry, ...	4	6
— Elementary and Higher Trigonometry, ...	7	6
— Trigonometry of One Angle, ...	2	6
Todhunter's Plane Trigonometry, ...	5	0
Key , 10s. 6d.		
Todhunter and Hogg's Plane Trigonometry, ...	5	0
Key , 10s. 6d.		
Todhunter and Leathem's Spherical Trigonometry,	7	6

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

TRIGONOMETRY—*continued.*

Lane's Spherical Trigonometry, Theoretical and Practical,	S. D.
Levett and Davison's Elements of Plane Trigonometry. In 2 parts,	(net) 3 0
M'Clelland and Preston's Spherical Trigonometry, Part I. To the End of Solution of Triangles, 4s. 6d. Part II. 5s	each 3 6

ANALYTICAL GEOMETRY.

Dyer's Exercises in Analytical Geometry,	4 6
Lambert's Analytic Geometry for Technical Schools,	7 6
Loney's Elements of Co-ordinate Geometry,	6 0
Ferrer's Elementary Treatise on Trilinear Co-ordinates,	6 6
Puckle's Elementary Treatise on Conic Sections,	7 6
Charles Smith's Conic Sections,	7 6
Key, 10s. 6d.	
— Elementary Treatise on Solid Geometry,	9 6
Frost's Solid Geometry,	16 0
— Curve Tracing,	12 0
Todhunter's Plane Co-ordinate Geometry,	7 6
Key, 10s. 6d.	
— Examples of Analytical Geometry of Three Dimensions,	4 0
Scott's Introductory Account of Certain Modern Ideas and Methods in Plane Analytical Geometry,	(net) 10 0

HIGHER PURE MATHEMATICS.

Gibson's Elementary Treatise on the Calculus,	7 6
— Introduction to the Calculus,	3 6
Edwards's Differential Calculus,	14 0
— Differential Calculus for Beginners,	4 6
— Integral Calculus for Beginners,	4 6
Weld's Theory of Determinants,	7 6
Greenhill's Elliptic Functions,	12 0
— Differential and Integral Calculus,	10 6
Dixon's Elliptic Functions,	5 0
Gray and Mathew's Treatise on Bessel Functions,	(net) 14 0
Harkness and Morley's Theory of Functions,	(net) 18 0
— Introduction to the Theory of Analytic Functions,	(net) 12 6
Forsyth's Differential Equations,	14 0
Lambert's Differential and Integral Calculus,	7 6
Page's Ordinary Differential Equations,	6 6
Joly's Manual of Quaternions,	(net) 10 0
Kelland and Tait's Introduction to Quaternions.	7 6
Revised by C. G. Knott,	
Todhunter's Differential Calculus,	10 6
Key, 10s. 6d.	

Macmillan & Co.'s Publications.

HIGHER PURE MATHEMATICS—*continued.*

Todhunter's Integral Calculus and its Applications,	10	6	S. D.
Key, 10s. 6d.			
— Theory of Equations,	7	6	
Muir's Theory of Determinants in the Historical			
Order of Development. Part I. Second Edition. General			
Determinants up to 1841. Part II. Special Determinants up to 1841,	(net) 17	0	

NATURAL PHILOSOPHY.

Emtage's Elementary Mechanics of Solids,	2	6	
Gallatly's Mechanics for Beginners,	2	6	
Roberts's Treatise on Elementary Dynamics,	4	6	
Greaves's Treatise on Elementary Statics,	5	6	
— Statics for Beginners,	3	6	
Macgregor's Elementary Treatise on Kinematics	10	6	
and Dynamics,			
Lock's Elementary Statics,	3	6	
— Elementary Dynamics,	3	6	
— Mechanics for Beginners,	2	6	
Dobbs's Elementary Geometrical Statics,	8	6	
Hertz's Principles of Mechanics. Translated by			
D. E. Jones and J. T. Walley,	(net) 10	0	
Hicks's Dynamics of Particles and Solids,	6	6	
Sanderson's Hydrostatics for Beginners,	2	6	
Greenhill's Treatise on Hydrostatics,	7	6	
Duncan's Applied Mechanics for Beginners,	2	6	
Cotterill and Slade's Lessons in Applied			
Mechanics,	5	6	
Aldous's Elementary Course of Physics. Complete,	7	6	
Part I.—Mechanics, Properties of Matter, Hydrostatics,			
Heat. By Rev. J. C. P. Aldous. 4s. 6d. Part II.—Wave			
Motion, Sound and Light. By W. D. Eggar. 2s. 6d. Part			
III.—Magnetism and Electricity. By F. R. Barrell. 2s. 6d.			
Stewart's Elementary Physics,	4	6	
Questions, 2s.			
Stewart and Gee's Elementary Practical Physics.			
Vol. I.—GENERAL PHYSICAL PROCESSES, 6s. Vol. II.—ELECTRICITY			
AND MAGNETISM, 7s. 6d. Vol. III., Part I.—PRACTICAL ACOUSTICS. By			
C. L. Barnes, 4s. 6d.			
Gregory and Simmons's Exercises in Practical			
Physics. Parts I. and II.,	each 2	0	
Rintoul's Practical Physics,	2	6	
Schuster and Lee's Intermediate Course of			
Practical Physics,	5	0	
D. E. Jones's Examples in Physics,	3	6	
— Lessons in Heat and Light,	3	6	
— Elementary Lessons in Heat, Light and			
Sound,	2	6	
Robson's Practical Exercises in Heat,	2	6	
Edser's Heat for Advanced Students,	4	6	
— Light for Students,	6	0	
Clay's Practical Exercises in Light,	2	6	

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

NATURAL PHILOSOPHY—*continued.*

	s.	d.
Daniell's Physics for Students of Medicine, . . .	4	6
—— Text-Book of the Principles of Physics, . . .	21	0
Sanderson's Electricity and Magnetism for Beginners, . . .	2	6
Hadley's Magnetism and Electricity for Beginners, . . .	2	6
—— Practical Exercises in Electricity and Magnetism, . . .	2	6
—— Magnetism and Electricity for Students, . . .	6	0
Thompson's Elementary Lessons in Electricity and Magnetism, . . .	4	6

CHEMISTRY.

Donington's Practical Exercises in Chemistry, . . .	2	6
Perkin and Lean's Introduction to Chemistry and Physics. In 2 Vols., . . .	each 2	0
Jones's Introductory Chemistry for Intermediate Schools, . . .	2	0
Roscoe's Lessons in Elementary Chemistry, . . .	4	6
Thorpe's Problems adapted to the same. With key, . . .	2	0
Remsen's College Text-Book of Chemistry, . . . (net)	8	6
—— Elements of Chemistry, . . .	2	6
—— Inorganic Chemistry, . . .	6	6
Roscoe and Harden's Inorganic Chemistry for Advanced Students, . . .	4	6
Remsen's Organic Chemistry, . . .	6	6
Cohens' Practical Organic Chemistry for Advanced Students, . . .	3	6
Cohen's Theoretical Organic Chemistry, . . .	6	0
Turpin's Lessons in Organic Chemistry, . . .	2	6
—— Practical Inorganic Chemistry, . . .	2	6
Roscoe and Schorlemmer's Inorganic and Organic Chemistry. Vol. I.—The Non-Metallic Elements, 21s.; Vol. II.—Metals, 31s. 6d.; Vol. III.—Organic Chemistry. Six Parts. Parts I., II., IV., and VI. 21s. each. Parts III. and V. 18s. each.		

Ostwald's Principles of Inorganic Chemistry, . . . (net)	18	0
Gattermann's Practical Methods of Organic Chemistry, . . .	8	6
Walker's Introduction to Physical Chemistry, . . . (net)	10	0
Harry C. Jones's Elements of Physical Chemistry . . . (net)	17	0
—— Principles of Inorganic Chemistry, . . . (net)	17	0
—— Elements of Inorganic Chemistry, . . .	6	6
Bailey's Elements of Quantitative Analysis, . . .	4	6
Mann's Chemistry of the Proteids, . . . (net)	15	0

PHYSICAL GEOGRAPHY, GEOLOGY, &c.

Watts's Geology for Beginners, . . .	2	6
Geikie's Text-Book of Geology. In 2 Vols., . . . (net)	30	0
—— Class-Book of Geology, . . .	5	0
—— Ancient Volcanoes of Great Britain. 2 Vols., . . . (net)	36	0

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

PHYSICAL GEOGRAPHY, GEOLOGY, &c.—*continued.*

	s.	d.
Huxley's Physiography. New edition. Revised and partly re-written by R. A. Gregory, ...	4	6
Simmons's Physiography for Advanced Students, ...	4	6
Tarr's Elementary Physical Geography, ... (net)	7	6
— First Book of Physical Geography, ... (net)	6	0
Phillips and Louis's Treatise on Ore Deposits, ...	28	0
Zittel's Text-Book of Palæontology. Vol. I., ... (net)	25	0
Vol. II., ... (net)	10	0
Miers's Mineralogy, ... (net)	25	0
Williams's Elements of Crystallography for students of Chemistry, Physics, and Mineralogy, ...	6	0

BIOLOGY.

Stenhouse's Introduction to Nature Study, ...	3	6
Evans's Botany for Beginners, ...	2	6
Strasburger's Text-Book of Botany, ... (net)	18	0
Bower and Gwynne-Vaughan's Practical Botany for Beginners, ...	3	6
Oliver's Lessons in Elementary Botany, ...	4	6
Hooker's Student's Flora of the British Islands, ...	10	6
Bailey's Botany, ...	6	0
Campbell's Text-Book of Botany, ... (net)	17	0
Wallace's Darwinism, ...	7	6
— Geographical Distribution of Animals. In 2 Vols., ... (net)	42	0
Parker and Haswell's Text-Book of Zoology, ... (net)	36	0
— Manual of Zoology, ...	10	6
Parker's Elementary Practical Zoology, ...	10	6
— Course of Instruction in Zootomy (Vertebrata), ...	8	6
— Lessons in Elementary Biology, ...	10	6
Howes's Atlas of Practical Elementary Zootomy, (net)	10	0
Earl's Living Organism, ...	6	0
Jørgensen's Micro-Organisms and Fermentation, (net)	10	0
Foster and Balfour's Elements of Embryology, ...	10	6
Huxley's Lessons in Elementary Physiology, ...	4	6
Huxley and Martin's Practical Instruction in Elementary Biology, ...	10	6
Langley's Practical Histology, ...	6	0
Foster and Langley's Elementary Practical Physiology and Histology, ...	7	6
Foster's Text-Book on Physiology. Part I. Blood—The Tissues of Movement, The Vascular Mechanism. 10s. 6d. Part II. The Tissues of Chemical Action with their respective Mechanisms—Nutrition. 10s. 6d. Part III. The Central Nervous System. 10s. 6d. Part IV. The Senses and some Special Muscular Mechanisms. The Tissues and Mechanisms of Reproduction. 10s. 6d. Appendix. The Chemical Basis of the Animal Body. By A. S. Lea. 7s. 6d. (net)	21	0
Flint's Handbook of Physiology, ... (net)	15	0
Verworn's General Physiology, ... (net)	17	0
Biedermann's Electro-Physiology. In 2 Vols., each (net)	17	0

MACMILLAN & CO., LTD., LONDON.

Macmillan & Co.'s Publications.

FOR DEGREES IN MEDICINE AND SURGERY. s. d.

Allbutt and Playfair's System of Gynæcology, (net) 25 0

Allchin's Manual of Medicine. By Various Writers.

Edited by W. H. Allchin, M.D. Vols. I. and II. General Diseases.

Vol. III. Diseases of the Nervous System. Vol. IV. Diseases of the Chest, . . . each (net) 7 6

Vol. V. Diseases of the Digestive System, and of the Liver. Diseases of the Peritoneum and of the Vessels of the Abdomen. Diseases of the Kidneys. Diseases of the Ductless Glands, . . . (net) 10 0

Sheild's Diseases of the Breast, . . . (net) 15 0

Stonham's Manual of Surgery. In 3 Vols. Vol. I.

General Surgery. Vol. II. Injuries. . . . each (net) 7 6

Vol. III. Regional Surgery, . . . (net) 10 6

Smith's Principles of Differential Diagnosis, with Clinical Memoranda, . . . (net) 7 6

Hood's Treatment of Injuries by Friction and Movement, . . . 4 6

Brunton's Text-Book of Pharmacology, Therapeutics, and Materia Medica, . . . 21 0
In Two Parts, . . . 22 6

— **Tables of Materia Medica,** . . . 5 0

— **On Disorders of Digestion, their Consequences and Treatment,** . . . 10 6

— **Pharmacology and Therapeutics,** . . . 6 0

— **Introduction to Modern Therapeutics,** (net) 3 6

— **Lectures on the Action of Medicines,** (net) 10 6

— **On Disorders of Assimilation and Digestion,** (net) 10 6

Allbutt's New System of Medicine. Each Volume (net) 25 0

Vol. I. Prolegomena and Infectious Diseases. Vol. II. Infectious Diseases (*continued*), Intoxications, and Internal Parasites. Vol. III. Certain General Diseases, Diseases of the Stomach and Bowels. Vol. IV. Diseases of Liver and other Glands, Diseases of the Throat. Vol. V. Diseases of the Respiratory Organs and of the Circulatory System. Vol. VI. Diseases of the Circulatory System (*continued*), Diseases of Muscles, Diseases of Nervous System. Vol. VII. Diseases of the Nervous System (*continued*). Vol. VIII. Diseases of the Nervous System (*continued*), Mental Diseases, Diseases of the Skin, Appendix of Malaria.

Lockwood's Appendicitis; Its Pathology and Surgery. Second Edition, (net) 10 0

Hewitt's Anæsthetics and their Administration, (net) 15 0

Ballance and Stewart's Healing of Nerves, (net) 12 6

Ziegler's Text-Book of Pathological Anatomy and Pathogenesis. Part II. Special Pathological Anatomy. Sections I.-VIII, . . . (net) 17 0

Sections IX.-XV., . . . (net) 17 0

Kahlden's Methods of Pathological Histology, . . . 6 0

Hamilton's Text-Book of Pathology. Vol. I., (net) 21 0

Vol. II., Parts I. and II., . . . each part (net) 15 0

Fothergill's Practitioners' Handbook of Treatment, . . . (net) 15 0

White's Text-book of General Therapeutics, . . . 8 6

MACMILLAN & CO., LTD., LONDON.

OXFORD UNIVERSITY PRESS.

The Deeds of Beowulf. An English Epic of the Eighth Century done into Modern Prose, with Introduction and Notes by J. EARLE. Cr. 8vo. 8s. 6d.

Anglo-Saxon Reader in Prose and Verse. By Dr H. SWEET. With Grammatical Introduction, Notes, and Glossary. Seventh edition, revised and enlarged. Cr. 8vo. 9s. 6d.

The Prologue, the Knightes Tale, the Nonne Prestes Tale, from the Canterbury Tales. R. MORRIS's edition, re-edited by W. W. SKEAT. 2s. 6d.

William Langland's Piers the Plowman. Edited by Prof. SKEAT. Sixth edition. 4s. 6d.

Specimens of Early English. With Introductions, Notes, and Glossarial Index.

Part I. From *Old English Homilies* to *King Horn* (A.D. 1150 to A.D. 1300). By R. MORRIS. Second edition. 9s.

Part II. From *Robert of Gloucester* to *Gower* (A.D. 1298 to A.D. 1393). By R. MORRIS and W. W. SKEAT. Fourth edition, revised. 7s. 6d.

King Horn. A Romance of the Thirteenth Century. Edited from the Manuscripts by JOSEPH HALL. 12s. 6d.

Select Plays of Shakespeare. In extra fcap. 8vo, stiff covers. Edited by W. G. CLARK and W. ALDIS WRIGHT.

—— **Hamlet.** 2s.

—— **As You Like It.** 1s. 6d.

—— **Midsummer Night's Dream.** 1s. 6d.

Caroline Poets. Vol. I. containing Chamberlayne's *Pharonnida* and *England's Jubilee*, Benlowe's *Theophila* and the Poems of Katherine Philips and Patrick Hannay. Edited by GEORGE SAINTSBURY. 8vo. 10s. 6d. net. Vol. II. shortly.

Spenser's Faery Queene. Book I. With Introduction and Notes by G. W. KITCHIN, and Glossary by A. L. MAYHEW. Extra fcap. 8vo. 2s. 6d. each.

Milton's Lycidas. 3d. Edited by R. C. BROWNE.

—— **Comus.** 6d. Edited by R. C. BROWNE.

—— **Areopagitica.** Edited by J. W. HALES. Extra fcap. 8vo. 3s.

Dryden's Dramatic Poesy. Edited, with Notes, by T. ARNOLD. Third Edition, revised (1904), by W. T. ARNOLD. Extra fcap. 8vo. 3s. 6d.

London: Henry Frowde, Oxford University Press, Amen Corner, E.C.
Edinburgh: 12 Frederick Street.

OXFORD UNIVERSITY PRESS.

Selections from Addison's papers in the Spectator. By T. ARNOLD.
Extra fcap. 8vo. 4s. 6d.

The Oxford Cowper. Complete Poetical Works. Edited by H. S. MILFORD. With Textual Notes of Editions, Chronological Table, and a Portrait. Crown 8vo. 2s. and 3s. 6d. On Oxford India Paper, 5s.

Selections from Pope. With Introduction and Notes by MARK PATTISON.
Extra fcap. 8vo. *Essay on Man.* Sixth Edition. 1s. 6d.
Satires and Epistles. Fourth Edition. 2s.

Thomson's Seasons and Castle of Indolence. Edited by J. LOGIE ROBERTSON. Extra fcap. 8vo. 4s. 6d. Also *Castle of Indolence* separately. 1s. 6d.

Selections from Burke. Edited by E. J. PAYNE.
Reflections on the French Revolution. Second Edition. 5s.

Shelley's Adonais. Edited by W. M. ROSSETTI and A. O. PRICKARD.
Second Edition. Crown 8vo. 3s. 6d. and 5s.

Wordsworth's Literary Criticism. Edited, with an Introduction, by NOWELL C. SMITH. Fcap. 8vo. 2s. 6d. net.

OXFORD MODERN FRENCH SERIES.

Histoire de la Révolution Française, by Mignet. Edited by A. L. DUPUIS. Pp. 240. 3s.

Voyage aux Pyrénées, by Taine. Edited by W. ROBERTSON. Pp. 226. 2s. 6d.

Corneille's Cinna. With Molière's *Les Femmes savantes*, and Fontenelle's *Life of Corneille.* By G. MASSON. 2s. 6d.

A Short History of French Literature. Fifth edition with the section on the Nineteenth Century enlarged. By Prof. SAINTSBURY. Crown 8vo. 10s. 6d.

Les Œuvres complètes de Molière. Crown 8vo. 5s. Also, an India Paper edition, cloth extra, 9s. 6d.; and miniature edition, four volumes 32mo, in case. 14s.

Goethe's Dichtung und Wahrheit. Edited by the late C. A. BUCHHEIM. Books I.-IV. 4s. 6d.

Goethe's Hermann und Dorothea. By the same Editor. With an Introduction by EDWARD DOWDEN. 3s.

—— **Iphigenie auf Tauris.** By the same Editor. Fourth edition revised. 3s.

Lessing's Minna von Barnhelm. By the same Editor. Eighth edition, revised and enlarged. 3s. 6d.

—— **Nathan der Weise.** By the same Editor. Second edition. 4s. 6d.

London: Henry Frowde, Oxford University Press, Amen Corner, E.C.
Edinburgh: 12 Frederick Street.

OXFORD UNIVERSITY PRESS.

- Scherer's History of German Literature.** Translated by Mrs F. C. CONYBEARE. Edited by the Right Hon. F. MAX MÜLLER. Two volumes crown 8vo. 3s. 6d. net. each volume.
- An Introduction to the Comparative Grammar of Greek and Latin.** By J. E. KING and C. COOKSON. Extra fcap 8vo. 5s. 6d.
- Plautus. Captivi.** By WALLACE M. LINDSAY. Fourth edition. 2s. 6d.
- Sallust.** By W. W. CAPES. Second edition. 4s. 6d.
- Tacitus. Annals.** (Text only.) Crown 8vo. 6s.
- **Annals.** Books I.-IV. By H. FURNEAUX. 5s.
- **Annals.** Books XIII.-XVI. (abridged from Furneaux's 8vo edition). By H. PITMAN. 4s. 6d.
- Æschylus. Agamemnon.** Edited by A. SIDGWICK. Fifth edition revised. 3s.
- Homer. Iliad.** Edited by D. B. MONRO. Books I.-XII. With a brief Homeric Grammar. Fourth edition. 6s. Book I. With the Homeric Grammar separately. Third edition. 1s. 6d. Books XIII.-XXIV. Fourth edition. 6s.
- Thucydides.** Book III. By H. F. FOX. Crown 8vo. 3s. 6d.
- Quintilian. Institutionis Oratoriae Lib. x.** Edited by W. PETERSON. 8vo. 12s. 6d.
- Aristotle. Ethica Nicomachea.** Recognovit brevique adnotatione critica instruxit I. BYWATER. Post 8vo, cloth. 6s. The same, on 4to paper, for marginal notes. 10s. 6d. Also in crown 8vo, paper covers. 3s. 6d.
- Aristotle. The Politics.** Translated into English, with Introduction, Notes, and Indices by B. JOWETT. Medium 8vo. 2 vols. £1, 1s.
- Selected Fragments of Roman Poetry.** Edited, with Introduction and Notes, by W. W. MERRY. Second edition. Crown 8vo. 6s. 6d.
- A Manual of Greek Historical Inscriptions.** By E. L. HICKS. New edition, revised by G. F. HILL. 8vo. 12s. 6d.
- Statius. Silvæ.** By J. S. PHILLIMORE. (Oxford Classical Texts.) 3s. 6d.
- Adamnani. Vita S. Columbae.** Edited, with Introduction, Notes, and Glossary, by J. T. FOWLER. Crown 8vo, leather back. 8s. 6d. net. With Translation, 9s. 6d. net.
- Baedæ Opera Historica.** Edited by C. PLUMMER. Two volumes. Crown 8vo. 21s. net.
- Fortescue's Governance of England.** Otherwise called The Difference between an Absolute and a Limited Monarchy. A Revised Text. Edited, with Introduction, etc., by C. PLUMMER. 8vo, half-bound. 12s. 6d.

London: Henry Frowde, Oxford University Press, Amen Corner, E.C.
Edinburgh: 12 Frederick Street.

OXFORD UNIVERSITY PRESS.

Villainage in England. Essays in English Mediæval History. By P. VINOGRADOFF. 8vo, half-bound. 16s.

Gai Institutionum Iuris Civilis Commentarii Quattuor: With a Translation and Commentary by the late E. POSTE. Fourth Edition. Revised and Enlarged by E. A. WHITTUCK. With an Historical Introduction by A. H. J. GREENIDGE. 8vo. 16s. net.

Selections from Berkeley. With Introduction and Notes, for the use of Students. Edited by A. C. FRASER. Fifth edition. Crown 8vo. 7s. 6d.

A Study in the Ethics of Spinoza. By H. H. JOACHIM. 8vo. 10s. 6d. net.

Hume's Treatise of Human Nature. Reprinted from the Original Edition in Three Volumes, and edited by L. A. SELBY-BIGGE. Second edition. Crown 8vo. 6s. net.

— **Enquiry Concerning the Human Understanding, and an Enquiry Concerning the Principles of Morals.** Edited by L. A. SELBY-BIGGE. Crown 8vo. Second edition. 6s. net.

The Logic of Hegel. Translated from the Encyclopædia of the Philosophical Sciences. With Prolegomena. By W. WALLACE. Second edition. Two volumes crown 8vo. 10s. 6d. each.

Green's Prolegomena to Ethics. Edited by A. C. BRADLEY. Fifth edition. Crown 8vo. 6s. net.

Pfeffer's Physiology of Plants. A treatise upon the Metabolism and Sources of Energy in Plants. Second fully revised edition, translated and edited by A. J. EWART. Vol. I., half morocco, £1, 6s. net.; cloth, £1, 3s. net. Vol. II., half morocco, 16s. net.; cloth, 14s. net. Vol. III., completing the work, half morocco, £1, 1s. net.; cloth, 18s. net.

Goebel's Organography of Plants, especially of the Archegoniatae and Spermaphyta. Authorised English Edition by I. BAYLEY BALFOUR.

Part I.—GENERAL ORGANOGRAPHY. Half morocco, 12s. net.; cloth, 10s. net.

Part II.—SPECIAL ORGANOGRAPHY. Half morocco, 24s. net.; cloth, 21s. net.

On the Physics and Physiology of Protoplasmic Streaming in Plants. By A. J. EWART. With Seventeen Illustrations. 8s. 6d. net.

A Handbook of Human Anatomy for Art Students, fully illustrated with many new illustrations. By ARTHUR THOMSON. Third edition. 8vo, buckram. 16s. net. *[Immediately.]*

London: Henry Frowde, Oxford University Press, Amen Corner, E.C.
Edinburgh: 12 Frederick Street.

Cambridge University Press.

BOOKS SUITABLE FOR EDINBURGH UNIVERSITY EXAMINATIONS, (PASS) 1907

AUTHOR.	WORK.	EDITOR.	PRICE.
Sophocles	Ajax	Sir R. C. Jebb	12s. 6d.
Thucydides	Book III.	A. W. Spratt	5s. 0d.
Horace	Odes, Book III.	J. Gow	2s. 0d.
Lucan	Pharsalia, Book I.	W. E. Heitland and C. E. Haskins	1s. 6d.
Tacitus	Agricola and Germania	H. M. Stephenson	3s. 0d.
Vergil	Aeneid, Books III. and VI.	A. Sidgwick	each, 1s. 6d.
Molière	L'Avare	E. G. W. Braunholtz	2s. 6d.
"	Le Bourgeois Gentilhomme	A. C. Clapin	1s. 6d.
Goëthe	Iphigenie auf Tauris	Karl Breul	3s. 6d.
Lessing	Minna von Barnhelm	H. J. Wolstenholme	3s. 0d.
Schiller	Wallenstein's Tod	Karl Breul	3s. 6d.
Milton	Lycidas, etc.	A. W. Verity	2s. 6d.
Pope	Essay on Criticism	A. S. West	2s. 0d.
Shakespeare	A Midsummer Night's Dream	A. W. Verity	1s. 6d.
"	Hamlet	"	3s. 0d.

The Cambridge Physical Series.

Electricity and Magnetism	... R. T. GLAZEBROOK, M.A., F.R.S.	7s. 6d.
Heat and Light		5s.
" " In two separate parts	" "	each 3s.
Mechanics and Hydrostatics		8s. 6d.
" " In three separate parts.	" "	
Pt. I. Dynamics, 4s.; Pt. II. Statics, 3s.; Pt. III. Hydrostatics, 3s.		
Mechanics	 JOHN COX, M.A., F.R.S.C.	9s. net.
The Theory of Experimental Electricity	 W. C. D. WHETHAM, M.A., F.R.S.	8s. net.
A Treatise on the Theory of Solution, including the Phenomena of Electrolysis	 W. C. D. WHETHAM, M.A., F.R.S.	10s. net.
Radio-Activity	 E. RUTHERFORD, D.Sc., F.R.S.	12s. 6d. net.
A Treatise on the Theory of Alternating Currents. Vol. I.	 A. RUSSELL, M.A., M.I.E.E.	12s. net.
The Study of Chemical Composition	 IDA FREUND.	18s. net.

Cambridge University Press Warehouse—C. F. CLAY, Manager.

London: Fetter Lane.

Glasgow: 50 Wellington Street.

Cambridge University Press.

A COMPANION TO GREEK STUDIES. Edited by LEONARD WHIBLEY, M.A., Fellow of Pembroke College, and University Lecturer in Ancient History. With 141 Illustrations and 5 Maps, demy 8vo, 18s. net.

The Contents include Chapters on Geography, Fauna and Flora; History; Literature, Philosophy, and Science; Art, Mythology, and Religion; Public Antiquities; Private Antiquities; Criticism and Interpretation, contributed by H. F. Tozer, Canon Tristram, R. D. Hicks, Sir R. Jebb, Dr Henry Jackson, Dr Gow, Dr F. C. Penrose, Prof. E. A. Gardner, Dr Waldstein, F. R. Earp, A. H. Smith, Prof. Ridgeway, Dr Archer-Hind, L. Whibley, W. Wyse, R. J. G. Mayor, H. J. Edwards, Prof. Oman, A. B. Cook, Miss Harrison, Dr Wilkins, Dr M. R. James, F. Warre Cornish, Lady Evans, Prof. Allbutt, R. A. Neil, P. Giles, E. S. Roberts, J. Rendel Harris, Dr Verrall, and Dr Sandys.

A Prospectus will be sent on application.

A HISTORY OF CLASSICAL SCHOLARSHIP. From the Sixth Century B.C. to the End of the Middle Ages. By JOHN EDWIN SANDYS, Litt.D. With Chronological Tables, Facsimiles from Manuscripts, and other Illustrations. Crown 8vo, xxiv. + 672 pp., 10s. 6d. net.

BACCHYLIDES—THE POEMS AND FRAGMENTS. Edited, with Introduction, Notes, and a Prose Translation, by Sir Richard C. JEBB. Demy 8vo, 3 Plates, 15s. net.

“A standard edition of the poems, which is likely to hold that position for many years to come.”—*Athenæum*.

BACCHYLIDES. The Text edited by the late Sir RICHARD C. JEBB. Extra foolscap 8vo, 1s. 6d.

The Text of *Bacchylides* here printed is that prepared by the late Sir Richard Jebb, for his annotated Edition published in 1905.

SOPHOCLES—THE PLAYS AND FRAGMENTS. With Critical Notes, Commentary, and Translation in English Prose. By Sir RICHARD C. JEBB, Litt.D., LL.D. Demy 8vo.

Part I.—OEDIPUS TYRANNUS. Fourth Impression. 12s. 6d.

Part II.—OEDIPUS COLONEUS. Third Edition. 12s. 6d.

Part III.—ANTIGONE. Third Edition. 12s. 6d.

Part IV.—PHILOCTETES. Second Edition. 12s. 6d.

Part V.—TRACHINIAE. 12s. 6d.

Part VI.—ELECTRA. 12s. 6d.

Part VII.—AJAX. 12s. 6d.

SOPHOCLES—THE TEXT OF THE SEVEN PLAYS. Edited, with an Introduction, by Sir RICHARD C. JEBB, Litt.D., LL.D. Crown 8vo, 5s.

THE TRAGEDIES OF SOPHOCLES. Translated into English Prose by Sir RICHARD C. JEBB, Litt.D. Crown 8vo, 5s. net.

SCHOOL EDITIONS.

SOPHOCLES—PHILOCTETES. With a Commentary, abridged from the large Edition by E. S. SHUCKBURGH, Litt.D. Crown 8vo, 4s.

SOPHOCLES—ANTIGONE. With a Commentary, abridged from the large Edition by E. S. SHUCKBURGH, Litt.D. Crown 8vo, 4s.

SOPHOCLES—OEDIPUS COLONEUS. With a Commentary, abridged from the large Edition by E. S. SHUCKBURGH, Litt.D. Crown 8vo, 4s.

SOPHOCLES—OEDIPUS TYRANNUS. With Introduction and Commentary. Second Edition, revised, 4s.

Cambridge University Press Warehouse—C. F. CLAY, Manager.

London: Fetter Lane.

Glasgow: 50 Wellington Street.

Cambridge University Press.

Now Ready. Third Edition. 20s. net.

Hydrodynamics. By HORACE LAME, M.A., LL.D., D.Sc., F.R.S., Professor of Mathematics in the Victoria University of Manchester.

In this issue no further change has been made in the general plan and arrangement, but the work has been carefully revised, occasional passages have been rewritten, and many interpolations and additions have been made, amounting in all to about one-fifth of the whole.

Now Ready. Second Edition.

Geometrical Conics. By F. S. MACAULAY, M.A., D.Sc., Assistant Master at St Paul's School. Crown 8vo, Second Edition. 4s. 6d.

EXTRACT FROM PREFACE.—“The sixth chapter has been modified, and a new chapter added—the tenth—which may be regarded as a continuation of the sixth. The last chapter is intended for more advanced students, and has been entirely rewritten. It forms a separate and independent section, based on the ideas and the sequence of projective geometry, but treated from the metrical standpoint.”

The Elements of Solid Geometry. By CHARLES DAVISON, Sc.D., Mathematical Master at King Edward's High School, Birmingham. Crown 8vo, 2s. 6d. net.

Elements of the Mathematical Theory of Electricity and Magnetism. By J. J. THOMSON, M.A., D.Sc., LL.D., Ph.D., F.R.S., Cavendish Professor of Experimental Physics in the University of Cambridge. Third Edition. Crown 8vo. 10s.

The Steam Engine, and other Heat Engines. By J. A. EWING, M.A., F.R.S., M.Inst.C.E., Director of Naval Education. Second Edition, revised and enlarged. Demy 8vo. With Illustrations. 15s.

The Strength of Materials. By J. A. EWING, M.A., F.R.S. Demy 8vo. 12s.

Analytical Statics, a Treatise on. By E. J. ROUTH, Sc.D., F.R.S. Second Edition. Demy 8vo. Vol. I. 14s. Vol. II. 14s.

A Treatise on Dynamics of a Particle. With numerous Examples. By E. J. ROUTH, Sc.D., F.R.S. Demy 8vo. 14s.

An Elementary Course of Infinitesimal Calculus, for the use of Students of Physics and Engineering. By HORACE LAME, M.A., F.R.S. Second Edition. Crown 8vo. 12s.

A Treatise on Elementary Hydrostatics. By J. GREAVES, M.A. Crown 8vo. 5s.
Solutions to the Examples. Crown 8vo. 5s.

A Treatise on Elementary Dynamics. By S. L. LONEY, M.A. Sixth Edition. Crown 8vo. 7s. 6d.
Solutions to the Examples. Crown 8vo. 7s. 6d.

Plane Trigonometry. By S. L. LONEY, M.A. Sixth Edition. Crown 8vo. 7s. 6d. Or in separate parts: Part I., up to and including the Solution and Properties of Triangles, 5s. Part II., De Moivre's Theorem and the Higher Portions, 3s. 6d.
Solutions to the Examples. 10s. 6d.

A Treatise on Plane Trigonometry. By E. W. HOBSON, Sc.D. Demy 8vo. Second Edition. 12s.

Cambridge University Press Warehouse—C. F. CLAY, Manager.
London: Fetter Lane. Glasgow: 50 Wellington Street.

Cambridge University Press.

THE CAMBRIDGE BIOLOGICAL SERIES.

General Editor—A. E. SHIPLEY, M.A., F.R.S.

Zoology	A. E. SHIPLEY, M.A., and E. W. MACBRIDE, M.A.	10s. 6d. <i>net.</i>
Morphology and Anthropology ...	W. L. H. DUCKWORTH, M.A.	15s. <i>net.</i>
The Natural History of some Common Animals	O. H. LATTER, M.A.	5s. <i>net.</i>
Elements of Botany	F. DARWIN, M.A., F.R.S.	4s. 6d.
Practical Physiology of Plants ...	F. DARWIN, and E. H. ACTON.	4s. 6d.
Grasses	H. MARSHALL WARD, Sc.D.	6s.
Trees { Vol. I. Buds and Twigs Vol. II. Leaves Vol. III. Flowers and Inflorescences }	H. MARSHALL WARD, Sc.D.	<i>each</i> 4s. 6d. <i>net.</i>
A Treatise on the British Fresh-water Algae	G. S. WEST, M.A., F.L.S.	10s. 6d. <i>net.</i>
Flowering Plants and Ferns ...	J. C. WILLIS, M.A.	10s. 6d.
Flowering Plants	A. B. RENDLE, M.A., D.Sc., F.L.S.	Vol. I., 10s. 6d. <i>net.</i>
Fossil Plants, Vol. I.	A. C. SEWARD, M.A., F.G.S.	12s.
Elementary Palæontology — Invertebrate	H. WOODS, M.A., F.G.S.	6s.
Vertebrate Palæontology ...	A. S. WOODWARD, M.A.	14s.
Zoogeography	F. E. BEDDARD, M.A., F.R.S.	6s.
The Vertebrate Skeleton ...	S. H. REYNOLDS, M.A.	12s. 6d.
Practical Morbid Anatomy ...	H. D. ROLLESTON, M.D., and A. A. KANTHACK, M.D.	6s.
Lectures on History of Physiology	Sir MICHAEL FOSTER, K.C.B., M.D.	9s.
The Soluble Ferments and Fermentation	J. REYNOLDS GREEN, F.R.S.	12s.
The Origin and Influence of the Thoroughbred Horse	W. RIDGEWAY, M.A., F.B.A.	12s. 6d. <i>net.</i>

THE CAMBRIDGE HISTORICAL SERIES.

General Editor—G. W. PROTHERO, Litt.D.

HISTORY OF SCOTLAND. By P. HUME BROWN, M.A., LL.D., Fraser Professor of Ancient (Scottish) History and Palæography in the University of Edinburgh. In three Volumes.		
Vol. I. TO THE ACCESSION OF MARY STEWART.	Crown 8vo, with 7 Maps,	6s.
Vol. II. FROM THE ACCESSION OF MARY STEWART TO THE REVOLUTION OF 1689.	With 4 Maps and Plan,	6s.
Vol. III. FROM THE REVOLUTION OF 1689 TO THE DISRUPTION OF 1843.		

[In the press.]

Cambridge University Press Warehouse—C. F. CLAY, Manager.

London: Fetter Lane.

Glasgow: 50 Wellington Street.

MESSRS BELL'S BOOKS.

Complete Educational Catalogue post free on application.

MODERN MATHEMATICAL BOOKS.

NEW SCHOOL ARITHMETIC. By CHARLES PENDLEBURY, M.A.; assisted by F. E. ROBINSON, M.A. Second Edition. With or without Answers, 4s. 6d.; or in Two Parts, 2s. 6d. each. Key to Part II., 8s. 6d. net.

NEW SCHOOL EXAMPLES IN ARITHMETIC. Extracted from the above. With or without Answers, 3s.; or in Two Parts, without Answers, 1s. 6d. and 2s.

A JUNIOR ARITHMETIC. By CHARLES PENDLEBURY, M.A., and F. E. ROBINSON, M.A. 1s. 6d.; or with Answers 2s.

A New Arithmetic for Lower and Middle Forms of Secondary Schools written on modern lines, with free employment of Graphs, etc.

EXAMPLES IN ARITHMETIC. With some Notes on Method. By C. O. TUCKEY, M.A., Assistant Master at Charterhouse. Crown 8vo, with or without Answers, 3s.

ELEMENTARY ALGEBRA. By W. M. BAKER, M.A., and A. A. BOURNE, M.A. of Cheltenham College. Complete. Crown 8vo. Second Edition, with or without Answers, 4s. 6d.; or in Two Parts—PART I., 2s. 6d. Or with Answers, 3s. PART II. With or without Answers, 2s. 6d.

COMPLETE KEY, with numerous Graphical and other Figures, 10s. net; or, in Two Parts, 5s. net each.

EXAMPLES IN ALGEBRA. Extracted from the above. With or without Answers, 3s.; or in Two Parts, Part I., 1s. 6d., or with Answers, 2s.; Part II., with or without Answers, 2s.

EXAMPLES IN ALGEBRA. By C. O. TUCKEY, M.A., Assistant Master at Charterhouse. Fifth Edition. With or without Answers, 3s.

A FIRST ALGEBRA. By W. M. BAKER, M.A., and A. A. BOURNE, M.A., Small crown 8vo. 192 pages. 1s. 6d.; or, with Answers, 2s.

This book, which takes the subject as far as Quadratic Equations, will be found specially suitable for the Local Examinations.

ELEMENTARY GEOMETRY. By W. M. BAKER, M.A., and A. A. BOURNE, M.A. Complete Fifth Edition, Revised, 4s. 6d. Also in Parts. Books I.-III., Seventh Edition, Revised, 2s. 6d. Books I-IV., Fourth Edition, 3s.

Also published in the following forms:—

Book I., 1s. Books I. and II., 1s. 6d. Books II. and III., 1s. 6d. Books III. and IV., 1s. 6d. Books II.-IV., 2s. 6d. Book IV., 1s. Books IV. and V., 2s. Book V., 1s. 6d. Books IV.-VII., 3s. Books V.-VII., 2s. 6d. Books VI. and VII., 1s. 6d.

ANSWERS TO NUMERICAL AND MENSURATION EXAMPLES. 6d. net.

COMPLETE KEY, 6s. net.

A NEW TRIGONOMETRY FOR SCHOOLS. By W. G. BORCHARDT, M.A., B.Sc., and the Rev. A. D. PERROTT, M.A. Crown 8vo, 4s. 6d.; or in Two Parts, 2s. 6d. each.

COMPLETE KEY, 10s. net; or in two Parts, 5s. net each.

DIFFERENTIAL CALCULUS FOR BEGINNERS. By ALFRED LODGE, M.A., Mathematical Master at Charterhouse. With an Introduction by Sir OLIVER LODGE, D.Sc., F.R.S., LL.D., Principal of the University of Birmingham. Second Edition, Revised, 4s. 6d.

INTEGRAL CALCULUS FOR BEGINNERS. By ALFRED LODGE, M.A., Mathematical Master at Charterhouse. Crown 8vo, 4s. 6d.

London: GEORGE BELL & SONS, Portugal Street, Lincoln's Inn, W.C.

MESSRS BELL'S BOOKS.

HANDBOOKS OF ENGLISH LITERATURE.

EDITED BY PROFESSOR HALES.

Crown 8vo, 3s. 6d. net. each volume.

- The Age of Chaucer (1346-1400).** By F. J. Snell, M.A. With an Introduction by Professor Hales.
- The Age of Transition (1400-1580).** By F. J. Snell, M.A. With an Introduction by Professor Hales. 2 vols.
- The Age of Shakespeare (1579-1631).** By Thomas Seecombe and J. W. Allen. 2 vols. Vol. I. **Poetry and Prose.** Vol. II. **Drama.** Second Edition, Revised.
- The Age of Milton (1632-1660).** By the Rev. J. H. B. Masterman, M.A. With an Introduction, etc., by J. Bass Mullinger, M.A. Third Edition.
- The Age of Dryden (1660-1700).** By R. Garnett, C.B., LL.D. Fourth Edition.
- The Age of Pope (1700-1744).** By John Dennis. Fourth Edition.
- The Age of Johnson (1744-1798).** By Thomas Seecombe. Second Edition.
- The Age of Wordsworth (1798-1832).** By Professor C. H. Herford, Litt.D. Fourth Edition.
- The Age of Tennyson (1830-1870).** By Professor Hugh Walker, M.A. Fourth Edition.

BELL'S SCIENCE SERIES.

- Elementary Botany.** By Percy Groom, M.A., D.Sc., F.L.S., Lecturer on Botany at Cooper's Hill. Fourth Edition. With 275 Illustrations. Crown 8vo. 3s. 6d.
- The Students' Dynamics.** Comprising Statics and Kinetics. By G. M. Minchin, M.A., F.R.S., Professor of Applied Mathematics at Cooper's Hill. 3s. 6d.
- Elementary Inorganic Chemistry.** By James Walker, D.Sc., Ph.D., F.R.S., Professor of Chemistry in University College, Dundee. Second Edition, Revised. 3s. 6d.
- Injurious and Useful Insects.** By L. C. Miall, F.R.S., Professor of Biology in the Yorkshire College. With 100 Illustrations. 3s. 6d.
- An Introduction to the Study of the Comparative Anatomy of Animals.** By G. C. Bourne, M.A., Fellow and Tutor of New College, Oxford. With numerous Illustrations.
Vol. I. Animal Organisation. The Protozoa and Cœlenterata. 4s. 6d.
Vol. II. The Cœlomata. 4s. 6d.

Demy 8vo. 16s.

- HISTORY OF MODERN PHILOSOPHY.** By Richard Falckenberg, Professor of Philosophy in the University of Erlangen. Translated by Professor A. C. Armstrong.

8vo. 12s. 6d. net.

- A MANUAL OF ZOOLOGY.** By Richard Hertwig, Professor of Zoology in the University of Munich. From the Fifth German Edition. Translated and Edited by J. S. Kingsley, Professor of Zoology in Tuft's College.

London: GEORGE BELL & SONS, Portugal Street, Lincoln's Inn, W.C.

MESSRS BELL'S BOOKS.

CORPUS POETARUM LATINORUM,

A SE ALIISQUE DENUO RECOGNITORUM ET
BREVI LECTIONUM VARIETATE INSTRUCTORUM,

EDIDIT

JOHANNES PERCIVAL POSTGATE.

The work is now complete in two volumes, Large Post 4to, 25s. net each.

Vol. I.—Containing **Ennius, Lucretius, Catullus, Horace, Virgil, Tibullus, Propertius, Ovid.** Edited by L. Müller, H. A. J. Munro, Henry Nettleship, James Gow, Eduard Hiller, Arthur Palmer, G. M. Edwards, G. A. Davies, S. G. Owen, A. E. Housman, and J. P. Postgate. Large Post 4to, 25s. net, or in two parts, paper wrappers, 12s. net each.

Vol. II.—Containing **Grattius, Manilius, Phaedrus, Aetna, Persius, Lucan, Valerius Flaccus, Calpurnius Siculus, Columella, Silius Italicus, Statius, Martial, Juvenal, and Nemesianus.** Edited by Malvin Beckert, James Gow, Robinson Ellis, W. C. Summers, W. E. Heitland, J. B. Bury, Heinrich Schenkl, A. S. Wilkins, G. A. Davies, J. D. Duff, A. E. Housman, and J. P. Postgate. Large Post 4to, 25s. net; or Parts III. and IV., 9s. net each; Part V., 6s. net.

"It might safely be said of every poetical text in the new 'Corpus' that this edition of it is on the highest level of contemporary Latin scholarship, and also represents the most advanced knowledge of that text to which critical research has attained. Altogether this new 'Corpus' is a boon to students of which it would be impossible to overrate the value."

—Sir RICHARD C. JEBB, M.P.

THE PLAYS OF ARISTOPHANES. The Greek Text revised, and a Metrical Translation on opposite pages, together with Introduction and Commentary. By BENJAMIN BICKLEY ROGERS, M.A. Six vols. Fcap. 4to. 15s. each.

Vol. V.—Containing **The Frogs** and **The Ecclesiazusae**, is now ready, 15s.; or separately, **Frogs**, 10s. 6d.; **Ecclesiazusae**, 7s. 6d.

THE THESMOPHORIAZUSAE is also ready, price 7s. 6d.

CRITICISMS AND ELUCIDATIONS OF CATULLUS. By H. A. J. MUNRO, M.A. New Edition, 8vo. 7s. 6d. net.

[Other volumes preparing.]

TWENTIETH CENTURY EDITION.

WEBSTER'S INTERNATIONAL DICTIONARY.

Revised throughout with a Supplement of 25,000 Additional Words, Phrases, and Definitions.

2348 Pages. 5000 Illustrations. Price, bound in sheepskin, £2 net; or in cloth, 30s. net.

"In this its latest form, and with its large Supplement and numerous appendixes, it is a wonderful volume, which well maintains its ground against all rivals on its own lines. The 'definitions,' or more properly 'explanations of meaning,' in 'Webster' have always struck me as particularly terse and well put; and it is hard to see how anything better could be done within the limits."—Dr J. A. H. MURRAY, *Editor of the Oxford English Dictionary.*

Full Prospectus, with Specimen Pages, Opinions of Eminent Men, etc., on application.

London: GEORGE BELL & SONS, Portugal Street, Lincoln's Inn, W.C.

EPOCHS OF ANCIENT HISTORY.

10 Vols., with Maps, 2s. 6d. each.

Beesly's Gracchi, Marius, and Sulla.
Capes's Early Roman Empire.
Capes's Roman Empire of the Second Century.
Cox's Greeks and the Persians.
Cox's Athenian Empire.
Curteis's Rise of the Macedonian Empire.

Ilhne's Rome to its Capture by the Gauls.
Merivale's Roman Triumvirates.
Sankey's Spartan and Theban Supremacies.
Smith's (Bosworth) Rome and Carthage.

EPOCHS OF MODERN HISTORY.

19 Vols., with Maps, 2s. 6d. each.

Airy's English Restoration and Louis XIV. 1648-1678.
Church's Beginning of the Middle Ages.
Cox's Crusades.
Creighton's Age of Elizabeth.
Gairdner's Houses of Lancaster and York.
Gardiner's Thirty Years' War.
Gardiner's First Two Stuarts.
Gardiner's (Mrs) French Revolution, 1789-1795.
Hale's Fall of the Stuarts, and Western Europe from 1678 to 1697.

Johnson's Normans in Europe.
Longman's Frederick the Great and the Seven Years' War.
Ludlow's War of American Independence, 1775-1783.
McCarthy's Epoch of Reform, 1830-1850.
Moberly's The Early Tudors.
Morris's Age of Anne.
Morris's The Early Hanoverians.
Seebohm's Protestant Revolution.
Stubbs's The Early Plantagenets.
Warburton's Edward the Third.

EPOCHS OF CHURCH HISTORY.

14 Vols., 2s. 6d. each.

Balzani's The Popes and the Hohenstaufen.
Brodrick's A History of the University of Oxford.
Carr's The Church and the Roman Empire.
Gwatkin's The Arian Controversy.
Hunt's The English Church in the Middle Ages.
Overton's The Evangelical Revival in the Eighteenth Century.
Perry's The History of the Reformation in England.

Plummer's The Church of the Early Fathers.
Poole's Wycliffe and Early Movements for Reform.
Stephens' Hildebrand and his Times.
Tozer's The Church and the Eastern Empire.
Tucker's The English Church in other Lands.
Wakeman's The Church and the Puritans, 1570-1660.
Ward's The Counter-Reformation.

LONGMANS, GREEN & CO.,
39 Paternoster Row, London, New York and Bombay.

BLACKIE & SON'S LIST.

BLACKIE'S ILLUSTRATED LATIN SERIES.

GENERAL EDITOR: Professor R. Y. TYRRELL, Litt.D.

The volumes are published with or without Vocabularies.

Cæsar—Gallic War. Edited by Professor JOHN BROWN, M.A. Books I, II, III, IV., 1s. 6d. each; Books V., VI. and VII., 2s. each.

Cicero—De Senectute. Edited by G. H. WELLS, M.A. 2s.

Cicero—De Amicitia. Edited by the Rev. F. CONWAY, 2s.

Cicero—Philippics V., VI., and VII. Edited by T. K. BRIGHOUSE, M.A. 2s. 6d.

Cicero—Pro Lege Manilia. Edited by W. J. WOODHOUSE, M.A. 2s.

Cicero—The First Catiline Oration. Edited by Prof. C. H. KEENE, M.A. 1s. 6d.

Cicero—The Catiline Orations. (Complete.) Edited by Prof. C. H. KEENE. 2s. 6d.

Eutropius—Books I. and II. Edited by W. CECIL LAMING, M.A. 1s. 6d.

Horace—The Odes. Books I., II., III., and IV. Edited by STEPHEN GWYNN, B.A. 1s. 6d. each; complete (*No Vocabulary*), 5s.

Livy—Book I. Edited by Prof. BROWN, M.A. 2s. 6d.

Livy—Books V. and VI. Edited by W. CECIL LAMING, M.A. 2s. 6d. each.

Livy—Books XXI. and XXII. Edited by G. G. LOANE, M.A. 2s. 6d. each.

The Second Macedonian War. From Livy XXXI.-XXXIII. Edited by W. J. HEMSLEY, M.A., and J. ASTOR, M.A. 1s. 6d.

Ovid—Metamorphoses I. Edited by ERNEST ENSOR, B.A. 1s. 6d.

Ovid—Tristia I. Edited by G. H. WELLS, M.A. 1s. 6d.

Plautus—Captivi. Edited by Rev. J. HENSON, M.A. 2s.

Sallust—The Catiline Conspiracy. Edited by Rev. W. A. STONE, M.A. 1s. 6d.

Tacitus—Agricola. Edited by W. C. FLAMSTEAD WALTERS, M.A. 1s. 6d.

Terence—Phormio. (*No Vocabulary*.) Edited by W. CECIL LAMING, M.A. 4s. 6d.

Virgil—Æneid II. and III. Edited by Prof. SANDFORD, M.A. II., 2s.; III., 1s. 6d.

Virgil—Æneid, I. and VI. Edited by H. B. COTTERILL, M.A. 2s. each.

Virgil—Georgics I., II., III., and IV. Edited by S. E. WINBOLT, M.A. 1s. 6d. each.

BLACKIE'S ILLUSTRATED GREEK SERIES.

Aeschylus—Eumenides. Edited by L. D. BARNETT, M.A., Litt.D. 3s. 6d.

Euripides—Medea. Edited by HAROLD WILLIAMSON, M.A. 2s.

Euripides—Cyclops. Edited by the Rev. J. HENSON, M.A. 1s. 6d.

Euripides—Alcestis. Edited by A. TATE, M.A. 2s.

Homer—Iliad XVIII. Edited by Professor PLATT. 1s. 6d.

Plato—Crito. (*No Vocabulary*.) Ed. by A. S. OWEN, M.A. 2s. 6d.

Homer—Odyssey I. Edited by the Rev. E. C. EVERARD OWEN, M.A. 2s.

Xenophon—Anabasis I. Edited by C. E. BROWNRIGG, M.A. 2s.

Xenophon—Anabasis III. Edited by A. C. LIDDELL, M.A. 2s.

Xenophon—Anabasis II. and IV. Ed. by Rev. G. H. NALL, M.A. 2s. each.

Theophrastus—Characters. Edited by J. MAXWELL EDMONDS, M.A., and G. E. VAUGHAN AUSTEN, M.A. 4s. 6d.

THE WARWICK LIBRARY OF ENGLISH LITERATURE.

Cloth, 2s. 6d. each.

English Historians. Edited by A. J. GRANT, M.A.

English Tales in Verse. Edited by C. H. HERFORD, M.A., Litt.D.

English Satires. Edited by OLIPHANT SMEATON, M.A.

English Pastorals. Edited by E. K. CHAMBERS, M.A.

English Literary Criticism. Edited by C. E. VAUGHAN, M.A.

English Essays. Edited by J. H. LOBBAN, M.A.

English Lyric Poetry, 1500-1700. Edited by F. I. CARPENTER, M.A.

English Masques. Edited by H. A. EVANS, M.A.

FRENCH.

A Book of French Prosody. By Prof. LOUIS BRANDIN and W. G. HARTOG, B.A. 3s. 6d.

Elementary Phonetics. English, French, German. Their theory and practical application in the class-room. By W. SCHOLLE, Ph.D., and GEORGE SMITH, M.A. With plates, diagrams, and reduced facsimiles of coloured charts. 2s. 6d. net.

A Primer of Old French. By G. H. CLARKE, M.A., and C. J. MURRAY, B.A. 2s. 6d.

Exercises on the French Subjunctive. By Prof. WEEKLEY, M.A. 2s. Key, 2s. 6d. net.

A Comprehensive French Manual. For Students Reading for Examinations. By OTTO C. NAF, M.A. 3s. 6d.

A Primer of Historical French Grammar. By ERNEST WEEKLEY, M.A. 2s. 6d.

A Note-Book of French Literature. By PHILIP C. YORKE, M.A., L.-ès-L. Vol. I. To the end of the 18th Century. 4s. 6s. net. Vol. II. 19th Century. 4s. 6d. net.

BLACKIE & SON'S LIST.

SCIENCE AND MATHEMATICS.

- ELECTRICAL ENGINEERING MEASURING INSTRUMENTS.** For Commercial and Laboratory Purposes. By G. D. ASPINALL PARR, M.Inst. E. E., A.M.I.Mech. E. With 370 Illustrations. 323 pages. Demy 8vo, cloth, 9s. net.
- ELEMENTARY OPHTHALMIC OPTICS.** By FREELAND FERGUS, M.D., F.R.S.E., Surgeon to the Glasgow Eye Infirmary. Illustrated. 3s. 6d. net.
- DESCHANEL'S NATURAL PHILOSOPHY.** Translated and Edited by Prof. J. D. EVERETT, D.C.L., F.R.S. *Sixteenth Edition.* Cloth, 18s.; in parts, 4s. 6d. each.
Part I.—Mechanics, Hydrostatics, &c.
Part II.—Heat. **Part III.**—Electricity and Magnetism. **Part IV.**—Sound and Light.
- HEAT.** (Being the *Sixteenth Edition* of Part II. of Everett's Deschanel. Edited by Professor EVERETT. Medium 8vo, cloth, 4s. 6d.
- ELECTRICITY:** An Expansion of Everett's Deschanel, Part III. on the Lines of Modern Electrical Theory. By Professor Everett. Medium 8vo, cloth, 4s. 6d.
- SYSTEMATIC INORGANIC CHEMISTRY. FROM THE STANDPOINT OF THE PERIODIC LAW.** A Text-Book for Advanced Students. By N. M. CAVEN, D.Sc., and G. D. LANDER, D.Sc. 6s. net.
- CHEMISTRY LECTURE NOTES.** By G. E. WELSH. (*Interleaved.*) 1s. 6d.
- ARITHMETIC OF PHYSICS AND CHEMISTRY.** By H. M. TIMPANY. 1s.
- ARITHMETIC OF MAGNETISM AND ELECTRICITY.** By ROBERT GUNN. 2s. 6d.
- HYDROSTATICS AND PNEUMATICS.** By R. H. PINKERTON, B.A. 4s. 6d.
- ELEMENTARY TEXT-BOOK OF DYNAMICS AND HYDROSTATICS.** By R. H. PINKERTON, B.A. 3s. 6d.
- FUEL & REFRACTORY MATERIALS.** By Professor A. HUMBOLDT SEXTON. 5s.
- A TEXT-BOOK OF HEAT.** By CHARLES H. DRAPER, B.A., D.Sc. Lond. 4s. 6d.
- A TEXT-BOOK OF GEOLOGY.** Introduction to the study of Rocks and their Contents. By W. J. HARRISON, F.G.S. 3s. 6d.
- A TEXT-BOOK OF ORGANIC CHEMISTRY.** By A. BEENTHSEN, Ph.D., Translated by G. M'GOWAN, Ph.D. 7s. 6d.
- AN INTRODUCTION TO ANALYTICAL CHEMISTRY.** By Prof. G. G. HENDERSON, D.Sc., and M. A. PARKER, B.Sc. 5s.
- AN ELEMENTARY TEXT-BOOK OF ANATOMY.** By HENRY EDWARD CLARK. Illustrated. 5s.
- AN ELEMENTARY TEXT-BOOK OF PHYSIOLOGY.** By J. M'GREGOR-ROBERTSON, M.A., M.B. 4s.
- THE STUDENT'S INTRODUCTORY TEXT-BOOK OF SYSTEMATIC BOTANY.** By J. W. OLIVER. 4s. 6d.
- A BEGINNER'S TEXT-BOOK OF ALGEBRA.** Embodying Graphic and other Solutions and Applications to Arithmetic and Geometry. By A. E. LAYNG, M.A. 2s. 6d.
- INTRODUCTORY MATHEMATICS.** By N. B. MORGAN. 2s. Answers, 6d. net.
- A NEW GEOMETRY FOR BEGINNERS.** *Theoretical and Practical.* By RAWDON ROBERTS. 1s. 6d.
- EXERCISES IN THEORETICAL AND PRACTICAL GEOMETRY.** By R. B. MORGAN. 1s.
- ELEMENTARY GEOMETRY OF THE STRAIGHT LINE, CIRCLE, & PLANE RECTILINEAL FIGURES.** By CECIL HAWKINS, M.A. 3s. 6d. Pt. I., 2s.; Pt. II., 2s.
- EUCLID'S ELEMENTS OF GEOMETRY.** Edited by A. E. LAYNG, M.A. With Notes, Examples, Exercises, Appendix, and Examination Papers. Books I. to VI., and XI. Cr. 8vo, cloth, 3s. 6d. Also in Parts. Key to Book I., 2s. 6d.; to complete Euclid, 5s.
- A NEW SEQUEL TO EUCLID.** By Prof. W. J. DILWORTH, M.A. 2s. 6d.
- ELEMENTARY GRAPHS.** By R. B. MORGAN. 1s. 6d. Answers, 4d. net.
- ELEMENTARY TEXT-BOOK OF TRIGONOMETRY.** By R. H. PINKERTON, B.A. 2s.
- ALGEBRAIC FACTORS:** How to Find Them and How to Use Them. By Dr W. T. KNIGHT. 2s. Key, 3s. 6d.
- AN INTRODUCTION TO THE DIFFERENTIAL AND INTEGRAL CALCULUS.** With examples of applications to Mechanical Problems. By W. J. MILLAR, C.E. 1s. 6d.
- EASY MATHEMATICAL PROBLEM PAPERS.** By CHARLES DAVISON, Sc.D. Containing numerous problems in Algebra, Euclid and Trigonometry. 2s. With Answers and Hints for Solution. 2s. 6d.

LEWIS'S TEXT-BOOKS.

- ROBERTS. **Theory and Practice of Medicine.** 10th Edition.
2 Vols. 26s. net.
- LEWIS JONES. **Medical Electricity.** 5th Edition. [*Just Ready.*]
- RAWLING. **Landmarks and Surface Markings.** 2nd Edition.
5s. net.
- BINNIE. **Operative Surgery.** 2nd Edition. 12s. 6d. net.
- CROCKER. **Diseases of the Skin.** 3rd Edition. 2 vols. 30s. net.
- LEWERS. **Diseases of Women.** 6th Edition. 10s. 6d.
- SWANZY. **Diseases of the Eye.** 8th Edition. 12s. 6d.
- BARRETT. **Dental Surgery.** 4th Edition. 3s. 6d.
- MACLEOD. **Pathology of the Skin.** 40 Plates (8 coloured).
15s. net.
- BLAND-SUTTON. **Ligaments.** 3rd Edition. 4s. 6d.
- WINDLE. **Surface Anatomy.** 3rd Edition. 4s. net.
- EMERY. **Clinical Bacteriology and Hæmatology.** 2nd
Edition. [*Just Ready.*]
- BUXTON. **Anæsthetics.** 4th Edition. [*In the Press.*]
- HIGGENS. **Ophthalmic Practice.** 2nd Edition. 7s. 6d.
- PARKES and KENWOOD. **Hygiene and Public Health.** 2nd
Edition. 12s.
- CARTER. **Elements of Medicine.** 9th Edition. 10s. 6d.
- GOODALL AND WASHBOURN. **Manual of Infectious Dis-
eases.** Illustrated with Plates, Diagrams and Charts. 15s.
- CALVERT. **Practical Pharmacy.** 2nd Edition. 4s. 6d.
- ABBOTT. **The Principles of Bacteriology.** 7th Ed. 12s. 6d. net.
- GOULD. **Student's Medical Dictionary.** 11th Edition. 14s. net.
- GOULD. **Pocket Medical Dictionary.** 4th Edition. 5s. net.
- HALL and TILLEY. **Diseases of the Nose and Throat.** 2nd
Edition. 10s. 6d.
- KENWOOD. **Public Health Laboratory Work.** 3rd Ed. 10s. 6d.
- COLMAN. **Section Cutting and Staining.** 2nd Edition. 3s. 6d.
- HARVEY and DAVIDSON'S **Syllabus of Materia Medica.**
10th Edition, revised by Martindale. 1s. net.
- LEGG. **Examination of the Urine.** 7th Edition. 3s. 6d.
- MURRELL. **What to do in cases of Poisoning.** 9th Ed. 3s. 6d.

* * *Catalogue of Mr LEWIS'S Publications post free on application.*

TELEGRAMS: PUBLICAVIT
LONDON.

LONDON:

TELEPHONE
10721 CENTRAL.

H. K. LEWIS, 136 GOWER STREET, W.C.

[ESTABLISHED 1844.]

Mr EDWARD ARNOLD'S LIST

- Recent Advances in Physiology and Bio-Chemistry.** By LEONARD HILL, BENJAMIN MOORE, M. S. PEMBREY, J. J. R. MACLEOD, and A. P. BEDDARD. 18s. net.
- Lectures on Diseases of Children.** By R. HUTCHISON, M.D. Edin., Assistant Physician to the London Hospital and to the Hospital for Sick Children. Illustrated. 8s. 6d. net.
- Food and the Principles of Dietetics.** By R. HUTCHISON, M.D. Edin. 16s. net.
- Practical Physiology.** By A. P. BEDDARD, M.D., J. S. EDKINS, M.B., L. HILL, M.B., J. J. R. MACLEOD, M.B., and M. S. PEMBREY, M.D. 12s. 6d. net.
- The Chemical Investigation of Gastric and Intestinal Diseases by the Aid of Test Meals.** By VAUGHAN HARTLEY, M.D. *[In the Press.]*
- A Guide to the Diseases of the Throat, and Notes and their Treatment.** By C. A. PARKER, F.R.C.S. 18s. net.
- Midwifery for Nurses.** By H. RUSSELL ANDREWS, M.D. 6s.
- Surgical Nursing and the Principles of Surgery for Nurses.** By RUSSELL HOWARD, M.B., F.R.C.S. 6s.
- Human Embryology and Morphology.** By A. KEITH, M.D. 12s. 6d. net.
- Manual of Human Physiology.** By LEONARD HILL, M.B. 6s.
- A Manual of Pharmacology for Students.** By Prof. W. E. DIXON. 15s. net.
- The Chemical Synthesis of Vital Products and the Inter-relations between Organic Compounds.** By Prof. R. MELDOLA. Vol. I. Super Royal 8vo. 21s. net.
- Lectures on Theoretical and Physical Chemistry.** By Dr J. H. VAN 'T. HOFF, Professor of Chemistry to University of Berlin. 3 Vols. 28s. net, or separately.
Vol. I.—Chemical Dynamics. 12s. net.
Vol. II.—Chemical Statics. 8s. 6d. net.
Vol. III.—Relations between Properties and Composition. 7s. 6d. net.
- A Text-Book of Physical Chemistry.** By Dr R. A. LEHFELDT. 7s. 6d.
- A Text-Book of Physics.** By Dr R. A. LEHFELDT. 6s.
- Physical Determinations.** By W. R. KELSEY, B.Sc. 4s. 6d.
- The Elements of Inorganic Chemistry.** By W. A. SHENSTONE. 4s. 6d.
- Electrolytic Preparations.** By Dr KARL ELBS, Professor of Organic and Physical Chemistry at the University of Giessen. Translated by R. S. HUTTON, M.Sc. 4s. 6d. net.
- Experimental Researches with the Electric Furnace.** By HENRI MOISSAN, Professor of Chemistry at the Sorbonne. Translated by A. T. de MOEHLIED. 10s. 6d. net.
- The Becquerel Rays and the Properties of Radio-Active Substances.** By the Hon. R. J. STRUTT. 8s. 6d. net.
- The Theory of Optics.** By A. SCHUSTER, F.R.S., Director of the Physical Laboratories, Victoria University, Manchester. Demy 8vo. 15s. net.
- The Balancing of Engines.** By Prof. W. E. DALBY, M.Inst.C.E. 10s. 6d. net.
- Valves and Valve Gear Mechanisms.** By Prof. W. E. DALBY. 21s. net.
- The Calculus for Engineers.** By Prof. JOHN PERRY, M.E., D.Sc. 7s. 6d.
- Electric and Magnetic Circuits.** By E. H. CRAPPER, M.I.E.E. 10s. 6d. net.
- Alternating Currents.** A Text-book for Students. By C. G. LAMB, Lecturer in Electrical Engineering, Cambridge University.
- Hydraulics.** By R. BUSQUET, Professeur à l'Ecole Industrielle de Lyon. Authorised English Edition. *[In the Press.]*
- The Strength and Elasticity of Structural Members.** By R. J. WOODS, M.E., M.Inst.C.E. 292 Diagrams. 10s. 6d. net.
- The Principles of Mechanism.** By H. A. GARRATT. 3s. 6d.
- Vectors and Rotors.** By O. HENRICI, Ph.D., LL.D., and G. C. TURNER, B.Sc. 4s. 6d.
- Five Figure Tables of Mathematical Functions.** By J. B. DALE, M.A. 3s. 6d.
- Mechanics.** By W. D. EGGAR. 3s. 6d.
- Electricity and Magnetism.** By C. E. ASHFORD. 3s. 6d.
- Traverse Tables.** By Prof. H. LOUIS. 4s. 6d. net.
- The Evolution Theory.** By AUGUST WEISMANN. Translated by Prof. J. ARTHUR THOMSON. 2 vols. 32s. net.
- A History of England.** By C. W. OMAN, M.A., Professor of Modern History at Oxford University. 760 pp. Crown 8vo, cloth, 5s. (Also sold in Parts.)
- England in the Nineteenth Century.** By C. W. OMAN, M.A. 3s. 6d.
- English Political Philosophy.** By Prof. WILLIAM GRAHAM. 10s. 6d. net.
- A Short History of British Commerce and Industry.** By L. PRICE, M.A. 3s. 6d.
- Astronomical Discovery.** By Prof. H. H. TURNER. 10s. 6d. net.

London: EDWARD ARNOLD, 41 and 43 Maddox Street, W.

Charles Griffin & Co., Ltd., Publishers.

GRIFFIN'S MEDICAL SERIES.

- APPLIED ANATOMY.** By EDWARD TAYLOR. With Coloured Illustrations. 30s. net.
- A TEXT-BOOK OF HUMAN PHYSIOLOGY.** By Dr L. LANDOIS. Fifth Edition. 30s. net.
- CLINICAL DIAGNOSIS.** By Dr RUDOLPH von JAKSCH. Fifth Edition. 24s. net.
- CLINICAL MEDICINE.** By JUDSON BURY. Second Edition. 21s.
- FIBROID DISEASES OF THE LUNG.** By Sir ANDREW CLARK. 21s. net.
- A TREATISE ON GOUT.** By Sir DYCE DUCKWORTH. 25s.
- RHEUMATISM AND RHEUMATOID ARTHRITIS.** By A. E. GARROD. 21s.
- PERNICIOUS ANÆMIA.** By WILLIAM HUNTER. 24s. net.
- DISEASES OF THE ORGANS OF RESPIRATION.** By SAMUEL WEST. 36s. net.
- DISEASES OF CHILDHOOD.** By BRYAN DONKIN. 16s.
- DISEASES OF THE EYE.** By Dr ED. MEYER and A. F. FERGUS. 25s.
- DISEASES OF THE HEART.** By A. ERNEST SANSOM. 28s.
- DISEASES OF THE SKIN.** By T. M'CALL ANDERSON. 25s.
- ATLAS OF URINARY SEDIMENTS.** By Dr H. RIEDER and S. DELÉPINE. 18s.
- PHYSIOLOGY AND PATHOLOGY OF THE URINE.** By J. DIXON MANN. 8s. 6d. net.
- THE BRAIN AND SPINAL CORD.** By Sir VICTOR HORSELEY. 10s. 6d.
- THE CENTRAL NERVOUS ORGANS.** By Prof. OBERSTEINER and ALEX. HILL. 30s.
- PERIPHERAL NEURITIS.** By J. ROSS and JUDSON BURY. 21s.
- MENTAL DISEASES.** By W. BEVAN LEWIS. 20s.
- LUNATIC ASYLUMS.** By CHARLES MERCIER. 16s.
- FORENSIC MEDICINE AND TOXICOLOGY.** By J. DIXON MANN. 21s.
- POISONS: THEIR EFFECTS AND DETECTION.** By A. WYNTER BLYTH.
- THE WORK OF THE DIGESTIVE GLANDS.** By Prof. PAWLOW. 6s. net.
- OUTLINES OF PRACTICAL PHYSIOLOGY.** By WILLIAM STIRLING. Fourth Edition. 15s. net.
- TEXT-BOOK OF BIOLOGY.** By J. R. AINSWORTH DAVIS, M.A., F.Z.S. Second Edition. Two vols. I. Vegetable Morphology and Physiology, 8s. 6d. II. Animal Morphology and Physiology, 10s. 6d.
- MIDWIFERY.** By ARCH. DONALD. Sixth Edition Revised. 5s.
- DISEASES OF WOMEN.** By JOHN PHILLIPS. Third Edition Revised. 7s. 6d.
- FOODS AND DIETARIES.** By R. W. BURNET. Fourth Edition Revised, 4s.

MEDICAL POCKET-BOOK SERIES.

Bound in Leather Limp, Gilt Edges. Illustrated.

Just Out. With Frontispiece, 8s. 6d.

A HANDBOOK OF MEDICAL JURISPRUDENCE AND TOXICOLOGY, FOR THE USE OF STUDENTS AND PRACTITIONERS.

By WILLIAM A. BREND, M.A. Cantab., M.B., B.Sc. Lond.,
Late Scholar of Sidney Sussex College, Cambridge, of the Inner Temple, Barrister-at-Law.

- A MEDICAL HANDBOOK.** By R. S. AITCHISON, M.B., F.R.S.E. Fourth Edition, Revised and Enlarged. 8s. 6d.
- A SURGICAL HANDBOOK.** By F. M. CAIRD, F.R.C.S., and C. W. CATHCART, F.R.C.S. Thirteenth Edition. 8s. 6d.
- THE DISEASES OF CHILDREN.** By GEO. ELDER, M.D., F.R.C.P.Ed., and J. S. FOWLER, M.B., F.R.C.P.Ed. 10s. 6d.
- OUTLINES OF BACTERIOLOGY.** By Dr L. H. THOMOT and E. J. MASSELIN. Fully illustrated. 10s. 6d.
- HYGIENE (A HANDBOOK OF).** By Lt.-Col. A. M. DAVIES, D.P.H. Third Edition, thoroughly revised. 8s. 6d. net.
- THE SURGEON'S POCKET-BOOK.** By Major P. PORTER and Prof. C. H. Y. GODWIN. Fourth Edition. 8s. 6d.

LONDON: CHARLES GRIFFIN & CO, LTD., EXETER ST., STRAND.

SMITH, ELDER & CO.'S TEXT-BOOKS.

ELLIS'S DEMONSTRATIONS OF ANATOMY. Edited by CHRISTOPHER ADDISON, M.D., F.R.C.S., Lecturer on Anatomy at Charing Cross Hospital Medical School. TWELFTH EDITION, with over 300 Illustrations. Small 8vo, 12s. 6d. net.

SCHÄFER'S COURSE OF PRACTICAL HISTOLOGY. New, Rewritten, and Cheaper Edition, with numerous Illustrations. Crown 8vo, 7s. 6d.

MILNES MARSHALL'S VERTEBRATE EMBRYOLOGY. A Text-Book for Students and Practitioners. With numerous Illustrations. 8vo, 21s.

MARSHALL'S AND HURST'S JUNIOR COURSE OF PRACTICAL ZOOLOGY. SIXTH EDITION, Revised by F. W. GAMBLE, D.Sc., Lecturer in Zoology in the University of Manchester. With Illustrations. Crown 8vo, 10s. 6d.

BODILY DEFORMITIES. Volume I. By the late E. J. CHANCE, F.R.C.S.(Eng.). Edited by JOHN POLAND, F.R.C.S.(Eng.), Surgeon to the City Orphopædic Hospital. Second Edition, with numerous Illustrations. Crown 8vo, 6s. net.

Volume II. completing the work is in the Press. Each Volume is complete in itself.

HEATH'S DICTIONARY OF PRACTICAL SURGERY. Third Edition. Two vols. royal 8vo, 32s. cloth; or half-morocco, marbled edges, 42s.

CHEYNE'S ANTISEPTIC SURGERY: ITS PRINCIPLES, PRACTICE, HISTORY, AND RESULTS. With 145 Illustrations. 8vo, 21s.

CHEYNE'S MANUAL OF THE ANTISEPTIC TREATMENT OF WOUNDS. With Woodcut Illustrations. Crown 8vo, 4s. 61.

FINLAYSON'S CLINICAL MANUAL FOR THE STUDY OF MEDICAL CASES. Third and Cheaper Edition. With many new Illustrations. Crown 8vo, 8s. 6d.

TAYLOR'S INDEX OF MEDICINE. A Manual for the Use of Senior Students and others. With Illustrations. Crown 8vo, 12s. 6d.

LEFTWICH'S INDEX OF SYMPTOMS, as a Clue to Diagnosis. Third and Enlarged Edition. Small crown 8vo, 6s. net.

GEE'S AUSCULTATION AND PERCUSSION. With Illustrations. Fourth Edition. Fcap. 8vo, 6s.

PLAYFAIR'S TREATISE ON THE SCIENCE AND PRACTICE OF MIDWIFERY. Ninth Edition, with over 200 Illustrations and 8 Plates. Two vols. demy 8vo, 28s.

BARNES'S SYSTEM OF OBSTETRIC MEDICINE AND SURGERY. In Two vols. 8vo. With numerous Illustrations. Vol. I., 18s.; Vol. II., 20s.

LAWSON'S DISEASES AND INJURIES OF THE EYE. Sixth Edition. With 249 Illustrations. Royal 8vo, 15s. net.

JULER'S HANDBOOK OF OPHTHALMIC SCIENCE AND PRACTICE. Third and Enlarged Edition, with additional Illustrations. 8vo, 21s. net.

FARQUHARSON'S GUIDE TO THERAPEUTICS. Fifth Edition. Crown 8vo, 7s. 6d.

* * * Messrs SMITH, ELDER & CO. will be happy to forward a copy of their Catalogue post free on application.

London: SMITH, ELDER & CO., 15 Waterloo Place, S.W.
3—Front.

**The Pioneer Series of Pocket Volumes
in Large Type on Royal India Paper.**

NELSON'S

NEW CENTURY

India **LIBRARY** Large
Paper. Type.

Of Standard Authors.

RECENT ADDITIONS.

COUNT OF MONTE-CRISTO. Vol. I. Dumas.
COUNT OF MONTE-CRISTO. Vol. II. Dumas.
Cloth. *Limp Leather.* *Leather Boards.*
2s. net. 2s. 6d. net. 3s. net.

BREAKFAST TABLE SERIES. Oliver Wendell Holmes.
Cloth. *Limp Leather.*
2s. 6d. net. 3s. 6d. net.

SHAKESPEARE'S WORKS. 6 Vols. in Slip Case.
Cloth. *Limp Leather.* *Leather Boards.*
12s. net. 15s. net. 18s. net.

EACH WORK COMPLETE IN ONE VOLUME.

Large Type. Large Type.
 $\frac{1}{2}$ -inch = 1,000 Pages! $\frac{1}{2}$ -inch = 1,000 Pages!

**The Masterpieces of English Fiction in Large Type.
Printed on Thinnest Opaque Paper in the World.**

On Sale at all Booksellers throughout the Country.
ASK FOR "NELSON'S NEW CENTURY LIBRARY."

*** Prospectus and Specimen Pages post free on application.*

THOMAS NELSON & SONS,
LONDON, EDINBURGH, DUBLIN, AND NEW YORK.

FOR EVERY STUDENT

of Medicine to be successful as a Medical Practitioner he must have a thorough knowledge of the Bones of the Human Body. This knowledge can be easily and readily acquired by having handy

JOHNSTON'S ATLAS

OF

BONES AND LIGAMENTS

containing 30 exquisitely and accurately drawn plates printed in colours, and 23 pages of letterpress explaining clearly the different plates. The whole strongly bound in cloth, size $11\frac{1}{4}$ by 8 inches. The plates measure 14 by 11 inches when the book is opened out. Price 5/- net, or free by post for $5\frac{1}{4}$ net; abroad, 5/8.

*Only a limited number of copies
to be had at this very low price*

5/-

NET.

WORTH

15/-

W. & A. K. JOHNSTON, Ltd.

EDINA WORKS

And 20 SOUTH ST ANDREW STREET

EDINBURGH

WM. BLACKWOOD & SONS' LIST.

A History of European Thought in the Nineteenth Century. By John Theodore Merz. Post 8vo. Vol. I., 10s. 6d. net; Vol. II., 15s. net.

Studies on Theological, Biblical, and other Subjects. By Prof. Flint. 7s. 6d. net.

The History of Scotland. By John Hill Burton. A cheap edition in 8 vols. 2s. 6d. net each.

A History of Scotland from the Roman Occupation. By Andrew Lang. In 4 vols. 15s. net each.

Classics for English Readers. 1s. net each.

Ancient Classics:—HOMER, HERODOTUS, CÆSAR, VIRGIL, etc.

Foreign Classics:—DANTE, VOLTAIRE, SCHILLER, ROUSSEAU, etc.

Philosophical Classics:—DESCARTES, BUTLER, KANT, HUME, BACON, etc.

The Ethics of J. S. Mill. By Charles Douglas. 6s. net.

Methods, Meditations, etc., of Descartes. 6s. 6d.

Herbert's Psychology and Educational Theory. By John Davidson. 5s. net.

Studies in Roman Law. By Lord Mackenzie. £1, 1s.

Modern English Writers. 2s. 6d. each.

HUXLEY. By Edward Clodd.

TENNYSON. By A. Lang.

ARNOLD. By Prof. Saintsbury.

BROWNING. By Prof. Herford.

STEVENSON. By Cope Cornford.

RUSKIN. By Mrs Meynell.

THACKERAY. By Ch. Whibley.

A Study of Ethical Principles. By Professor James Seth. 7s. 6d.

Periods of European Literature. Edited by Professor Saintsbury. A Complete and Continuous History of the Subject. In 12 Crown 8vo vols. 5s. net each.

A History of Criticism and Literary Taste in Europe. By Prof. Saintsbury. Vol. I., 16s. net. Vol. II., 20s. net. Vol. III., 20s. net.

The Development of Modern Philosophy. With other Lectures and Essays. By the late Professor Adamson. Edited by Professor W. R. Sorley. 18s. net.

An Introductory Text-Book of Logic. By S. H. Mellone, M.A., D.Sc. 5s.

Greek Prose Phrase Book. By H. W. Auden, M.A. Interleaved. 3s. 6d.

Higher Greek Prose. By H. W. Auden, M.A. 2s. 6d. Key, 5s. net.

Higher Greek Unseens. By H. W. Auden, M.A. 2s. 6d. Key, 5s. net.

Greek Test Papers. By Jas. Moir, Litt.D., LL.D. 2s. 6d. Key, 5s. net.

Higher Latin Prose. By H. W. Auden, M.A. 2s. 6d. Key, 5s. net.

Higher Latin Unseens. By H. W. Auden, M.A. 2s. 6d.

Blackwood's Classical Texts. Edited by H. W. Auden, M.A.

Blackwood's English Classics. Edited by J. H. Lobban, M.A. New Volume:—
BYRON—By Prof. Wight-Duff. 3s. 6d.

An Intermediate Text-Book of Geology. By Professor Lapworth, LL.D. Founded on Dr Page's "Introductory Text-Book of Geology." With Illustrations. 5s.

A History of German Literature. By J. G. Robertson, Ph.D., Professor of German, University of London. 10s. 6d. net.

Progressive German Composition and First Introduction to German Philology. By Louis Lubovius, Ph.D. 3s. 6d. In two parts—Composition, 2s. 6d. Philology, 1s. 6d. Key, 5s. net.

The Tutorial Handbook of French Composition. By Alfred Mercier, L.-ès-L., St Andrews. 3s. 6d.

Historical Reader of Early French. From the Earliest Times to the end of the Fifteenth Century. By H. A. Strong, LL.D., and L. D. Barnett, M.A., D.Litt. 3s.

Modern Geometry of the Point, Straight Line, and Circle. By J. A. Third, M.A. 3s.

CATALOGUES SENT POST FREE ON APPLICATION.

WILLIAM BLACKWOOD & SONS, EDINBURGH and LONDON.

T. P.'s WEEKLY says:

"THE FIRM OF FIRMS FOR POPULAR REFERENCE BOOKS."

CHAMBERS'S ENCYCLOPÆDIA.

A Dictionary of Universal Knowledge. Thoroughly up-to-date.

10 vols. imp. 8vo, cloth, £5; half-morocco, £7, 10s.

The Daily Chronicle says:—"The best encyclopædia ever brought out. We have consulted it constantly, with increasing admiration for its uniform accuracy."

CHAMBERS'S CYCLOPÆDIA OF ENGLISH LITERATURE. New Edition.

Edited by DAVID PATRICK, LL.D.,
A History Critical and Biographical of Authors in the English Tongue from the Earliest Times till the Present Day, with Specimens of their Writings.

3 vols. imp. 8vo, cloth, £1, 11s. 6d. net; half-mor., £2, 5s. net.

CHAMBERS'S CONCISE GAZETTEER OF THE WORLD. Revised Edition in preparation.

CHAMBERS'S BIOGRAPHICAL DICTIONARY.

Edited by DAVID PATRICK, LL.D., and F. HINDES GROOMF.
Dealing with many Thousand Celebrities of all Nations from the Remotest times to the Present Day; with copious Bibliographies and Pronunciations of the more difficult Names.

1 vol. crown 8vo, cloth, 10s. 6d.; half-morocco, 15s.

CHAMBERS'S LARGE ENGLISH DICTIONARY.

Edited by Rev. THOMAS DAVIDSON.

The Vocabulary is exceptionally copious. In addition to ordinary words, it contains compound phrases, idiomatic expressions, scientific and general terms.

1264 pages, cloth, 12s. 6d.; half-morocco, 18s.

CHAMBERS'S 20th CENTURY DICTIONARY.

Edited by Rev. THOMAS DAVIDSON.

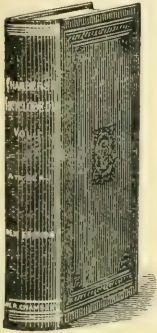
Pronouncing, Explanatory, Etymological.

1216 pages, 3s. 6d.

CHAMBERS'S LATIN DICTIONARY.

LATIN - ENGLISH AND ENGLISH - LATIN.

816 pages, 2s. net.



W. & R. CHAMBERS, Ltd., 339 High Street, Edinburgh; and London.

By Canon EYAN DANIEL.

Twenty-first Edition. This Revised Edition contains an Appendix on the Articles and considerably Enlarged Notes on the Occasional Offices and the Ordinal.

THE PRAYER BOOK: its History, Language, and Contents. Extra large crown 8vo, 700 pp., cloth boards, 6s.

"Crammed with solid information derived from every conceivable source. It is a work of great erudition, which, however, is reduced to such a digestible form that it can be assimilated even by young persons. The book deserves a high place in the literature relating to the Prayer Book."—*Church Times*.

**TALES OF THE CANTERBURY PILGRIMS
RETOLD FROM CHAUCER AND OTHER WRITERS.**

By F. J. HARVEY DARTON. With Introduction by Dr FURNIVALL. Illustrated by HUGH THOMSON. Second Edition. Printed on superfine paper, extra cloth boards, gilt top, large crown 8vo, 6s.

"The book deserves every detail of its setting, for we have an introduction to Chaucer which cannot be bettered. Mr Darton has told the immortal 'Canterbury Pilgrims' with the greatest skill in that he has so presented them that any boy or girl may read and enjoy them, and has yet preserved their character to the full. No fitter present could be found."—*World*.

THE SHAKESPEARE STORY-BOOK. By MARY MACLEOD. Introduction by SIDNEY LEE. Illustrations by GORDON BROWNE, R.I. Extra cloth boards, gilt top, crown 8vo, 6s.

"A very attractive book."—*Spectator*.

"No unworthy successor to the work of Charles and Mary Lamb."—*World*.

Second Edition. Now Ready.

STORIES FROM THE FAERIE QUEENE. By MARY MACLEOD. Introduction by JOHN W. HALES. With Illustrations by A. G. WALKER, sculptor. Extra cloth boards, gilt top, crown 8vo, 6s.

"Miss Mary Macleod has performed a dangerous and difficult task with taste and discretion."—*Pall Mall Gazette*.

STORY-LIVES OF GREAT AUTHORS. By FRANCIS J. ROWBOTHAM. Illustrated by H. J. RHODES. Crown 8vo, cloth boards, 3s. 6d. Also, the same, in separate parts, paper covers, 6d. each.

"Just the book that is wanted. It will be a first-rate prize book for boys and girls of all classes."—*School Guardian*.

London: WELLS GARDNER, DARTON & CO., Ltd.
And can be obtained from Mr J. THIN, Edinburgh.

COMPLETE IN 50 VOLUMES INCLUDING INDEX.

The Expositor's Bible

EDITED BY THE

Rev. W. ROBERTSON NICOLL, M.A., LL.D.

Each Volume may be had separately, price 7s. 6d. Sets may still be obtained at Subscription Terms, viz.:—Series One to Seven, containing Six Volumes, price 24s. per set. net.; Eighth Series, containing Seven Volumes, price 28s. net.

The Volumes of the different Series are not assorted on Subscription Terms.

1st Series. **St Mark**, by the Rt. Rev. G. A. Chadwick, D.D., Lord Bishop of Derry and Raphoe.—**Colossians and Philemon**, by Rev. Alexander Maclaren, D.D., D.Lit.—**Genesis**, by Rev. Prof. Marcus Dods, D.D.—**Samuel** (2 volumes), by the Rev. Prof. W. G. Blaikie, D.D., LL.D.—**Hebrews**, by Rev. Principal T. C. Edwards, D.D.

2nd Series. **Galatians**, by Rev. Professor G. G. Findlay, D.D.—**Isaiah**, Chapters i.-xxxix., by Rev. Professor G. Adam Smith, D.D., LL.D.—**The Pastoral Epistles**, by Rev. Alfred Plummer, D.D.—**1st Corinthians**, by Rev. Prof. Marcus Dods, D.D.—**The Epistles of St John**, by Most Rev. W. Alexander, D.D., Archbishop of Armagh.—**Revelation**, by Rev. Prof. W. Milligan, D.D.

3rd Series. **Judges and Ruth**, by Rev. R. A. Watson, D.D.—**The Prophecies of Jeremiah**, by Rev. C. J. Ball, M.A.—**Exodus**, by Rt. Rev. G. A. Chadwick, D.D., Lord Bishop of Derry and Raphoe.—**St Matthew**, by Rev. J. Monro Gibson, D.D.—**St Luke**, by Rev. Henry Burton, M.A.—**Isaiah**, Chapters xl.-lxvi., by Rev. Prof. G. Adam Smith, D.D., LL.D.

4th Series. **St John**, Vol. I., by Rev. Prof. Marcus Dods, D.D.—**The Acts of the Apostles**, by Rev. Prof. G. T. Stokes, D.D.—**Leviticus**, by Rev. S. H. Kellogg, D.D.—**Proverbs**, by Rev. R. F. Horton, M.A., D.D.—**St James and St Jude**, by Rev. A. Plummer, D.D.—**Ecclesiastes**, by Rev. Samuel Cox, D.D.

5th Series. **Thessalonians**, by Rev. Prof. James Denney, D.D.—**Job**, by Rev. R. A. Watson, D.D.—**St John**, Vol. II., by Rev. Prof. Marcus Dods, D.D.—**Ephesians**, by Rev. Prof. G. G. Findlay, D.D.—**The Acts of the Apostles**, Vol. II., by Rev. Prof. G. T. Stokes, D.D.—**The Psalms**, Vol. I., by Rev. Alexander Maclaren, D.D., D.Lit.

6th Series. **Philippians**, by Rev. Principal Rainy, D.D.—**Kings**, Vol. I., by the late Very Rev. F. W. Farrar, D.D., F.R.S.—**Ezra, Nehemiah, and Esther**, by Rev. Prof. Adeney, M.A.—**Joshua**, by Rev. Prof. W. G. Blaikie, D.D., LL.D.—**The Psalms**, Vol. II., by Rev. Alexander Maclaren, D.D., D.Lit.—**Peter**, by Rev. Prof. Lumby, D.D.

7th Series. **Romans**, by the Right Rev. Handley C. G. Moule, D.D., Lord Bishop of Durham.—**Kings**, Vol. II., by the late Very Rev. F. W. Farrar, D.D., F.R.S.—**Chronicles**, by Rev. Prof. W. H. Bennett, M.A.—**2nd Corinthians**, by Rev. Prof. James Denney, D.D.—**Numbers**, by Rev. R. A. Watson, D.D.—**The Psalms**, Vol. III., by Rev. Alexander Maclaren, D.D., D.Lit.

8th Series. **Daniel**, by the late Very Rev. F. W. Farrar, D.D., F.R.S.—**The Book of Jeremiah**, by Rev. Prof. W. H. Bennett, M.A.—**Deuteronomy**, by Rev. Prof. Andrew Harper, D.D.—**The Song of Solomon and the Lamentations of Jeremiah**, by Rev. Prof. W. F. Adeney, M.A.—**Ezekiel**, by Rev. Prof. John Skinner, M.A.—**The Twelve Prophets**, by Rev. Prof. George Adam Smith, D.D., LL.D. In 2 vols.

The complete Index to "THE EXPOSITOR'S BIBLE" is now ready uniform with the Series, price 7s. 6d.

HODDER & STOUGHTON, PUBLISHERS, LONDON.

MESSRS MACLEHOSE'S UNIVERSITY BOOKS.

MAGNA CARTA. A Commentary on the Great Charter of King John, with an Historical Introduction by W. S. M'KECHNIE, M.A., Lecturer on Constitutional Law and History in the University of Glasgow. Demy 8vo. 14s. net.

HUMAN ANATOMY.—(General and descriptive, for the use of students). By JOHN CLELAND, M.D., LL.D., D.Sc., F.R.S., Professor of Anatomy in the University of Glasgow; and JOHN YULE MACKAY, M.D., C.M., Professor of Anatomy in University College, Dundee. With 630 Illustrations (including Coloured Plates). Medium 8vo, 926 pp. 28s. net.

A DIRECTORY FOR THE DISSECTION OF THE HUMAN BODY. By JOHN CLELAND, M.D., and J. YULE MACKAY, M.D. Fourth Edition. Fcap. 8vo, 3s. 6d. net.

ATLAS OF EXTERNAL DISEASES OF THE EYE. Forty-eight full-page Plates of the Eye in Colour and Photogravure, with Descriptive Text. By A. MAITLAND RAMSAY, M.D., University of Glasgow. Demy 4to, full buckram, gilt top. 63s. net.

BRAIN SURGERY.—Atlas of Head Sections, Fifty-Three Engraved Copper-plates of Frozen Sections of the Head, and Fifty-Three Key Plates, with Descriptive Text. By Sir WILLIAM MACEWEN, M.D., Professor of Surgery in the University of Glasgow. Demy 4to, half-morocco, gilt top. £3, 10s. net.

BRAIN AND SPINAL CORD.—Pyogenic Infective Diseases of the Brain and Spinal Cord—Meningitis, Abscess of Brain, Infective Sinus Thrombosis. By Professor Sir WILLIAM MACEWEN, M.D. With Fifty-Seven Original Drawings on Wood and Copper, and many Temperature Charts. Demy 8vo. 18s. net.

EDUCATION.—The Educational Writings of Richard Mulcaster (1532-1611). Abridged and Arranged with a Critical Estimate by JAMES OLIPHANT, M.A., F.R.S.E. Crown 8vo. 3s. 6d. net.

BROWNING.—Browning as a Philosophical and Religious Teacher. By HENRY JONES, M.A., LL.D., Professor of Moral Philosophy in the University of Glasgow. Crown 8vo. Fifth Edition. 3s. 6d. net.

UNIVERSITY ADDRESSES ON SUBJECTS OF ACADEMIC STUDY. Delivered to the University of Glasgow. By JOHN CAIRD, D.D., LL.D. Third Thousand. Extra Post 8vo. 4s. 6d. net.

THE EVOLUTION OF RELIGION. By EDWARD CAIRD, D.C.L., Master of Balliol. Third Edition. Extra Post 8vo. 2 Vols. 12s. net.

HOMER.—An Introduction to the Iliad and the Odyssey. For the use of Schools and Colleges. By the late Sir R. C. JEBB, Litt.D., Professor of Greek in the University of Cambridge. Seventh Edition. Crown 8vo. 3s. 6d.

KANT.—The Philosophy of Kant, as contained in Extracts from his own Writings. Translated by JOHN WATSON, LL.D., Professor of Moral Philosophy in the University of Queen's College, Kingston. Fifth Edition. Crown 8vo. 7s. 6d.

SCOTTISH PHILOSOPHY.—Scottish Philosophy in its National Development. By HENRY LAURIE, LL.D., Professor of Mental and Moral Philosophy in the University of Melbourne. Crown 8vo. 6s. net.

Glasgow: JAMES MACLEHOSE & SONS, Publishers to the University.
London and New York: MACMILLAN & CO., Ltd.

CASSELL & CO.'S ANNOUNCEMENTS.

CASSELL'S UNRIVALLED DICTIONARIES.

Cassell's New French Dictionary, edited by James Boiëlle, B.A., newly revised by de V. Paven-Payne, cheap edition, 3s. 6d. ; half-leather, 5s.
Cassell's German Dictionary, by Elizabeth Weir, 3s. 6d. ; half-morocco, 5s.
Cassell's Latin Dictionary, 3s. 6d. ; half-morocco, 5s.

ENGLISH.

The Story of English Literature, new and enlarged edition, by Anna Buckland, 3s. 6d.

A First Sketch of English Literature, by Henry Morley, 7s. 6d.

FRENCH.

Cassell's Lessons in French, by James Boiëlle, B.A., 2s. 6d. : Key, 1s. 6d.
The Marlborough French Exercises, by the Rev. G. W. de Lisle, M.A., 3s. 6d.
The Marlborough French Grammar, compiled by the Rev. J. F. Bright, M.A., 2s. 6d.

GERMAN.

First Lessons in German Reading, by A. Jagst, cheap edition, limp cloth, 6d.
The Marlborough German Grammar, compiled by the Rev. J. F. Bright, M.A., 3s. 6d.

LATIN.

The New Latin Primer, by Prof. J. P. Postgate, 2s. 6d.
The First Latin Primer, by Prof. J. P. Postgate, 1s.
Latin Prose, by M. A. Bayfield, M.A., 2s. 6d.

HISTORY.

A History of England, by the Right Hon. H. O. Arnold-Forster, M.A., M.P., 5s. ; cloth gilt, 6s. 6d.

ART MANUALS.

Marine Painting in Water Colour, by W. L. Wyllie, A.R.A., 5s.
Landscape Painting in Water Colour, by J. MacWhirter, R.A., 5s.
Flowers and How to Paint Them, by Maud Naftel, new Edition, 2s. 6d.

Cassell's Educational Catalogue will be sent post free on application.

CASSELL & CO., LTD., LA BELLE SAUVAGE, LONDON, E.C.

MEDICAL WORKS FOR STUDENTS.

The Student's Handbook of Surgical Operations, by Sir Frederick Treves, Bt., G.C.V.O., &c., &c., and Jonathan Hutchinson, jun., F.R.C.S., 7s. 6d.
Materia Medica and Therapeutics, by J. Mitchell Bruce, M.A., M.D., &c., 7s. 6d.
Hygiene and Public Health, by B. Arthur Whitelegge, M.D., &c., 7s. 6d.
The Elements of Surgical Diagnosis, by A. Pearce Gould, M.B., &c., 9s.
First Lines in Midwifery, by G. Ernest Herman, M.D., &c., 5s.
Clinical Methods, by R. Hutchison, M.D., and Harry Rainy, M.A., &c., 10s. 6d.
A Manual of Chemistry, Inorganic and Organic, by Arthur P. Luff, M.D., &c., and F. J. M. Page, B.Sc., 7s. 6d.
A Guide to the Instruments and Appliances Required in Various Operations, by A. W. Mayo Robson, F.R.C.S., &c., cloth, 2s. 6d.
A Manual of Medical Treatment, or Clinical Therapeutics, by I. Burney Yeo, M.D., F.R.C.P., 2 vols., cloth, 21s. net. (*Sets only.*)
A Manual of Operative Surgery, by Sir Frederick Treves, Bart., G.C.V.O., C.B., LL.D., F.R.C.S., new edition, 2 vols., cloth, 42s. (*Sets only.*)
Elements of Histology, by E. Klein, M.D., F.R.S., cloth, 7s. 6d.
Surgical Applied Anatomy, by Sir Frederick Treves, G.C.V.O., F.R.C.S., &c., new edition, cloth, 9s.
Difficult Labour, a Guide to its Management for Students and Practitioners, by G. Ernest Herman, M.B. (Lond.), F.R.C.P., cloth, 12s. 6d.

A Catalogue of Medical Works will be sent free on application.

CASSELL & CO., LTD., LA BELLE SAUVAGE, LONDON, E.C.

**THE WALTER SCOTT PUBLISHING CO., LTD.
FELLING (R.S.O.), Co. Durham**

130 ^{OF THE} WORLD'S BEST BOOKS

**The most complete Library of the WORLD'S CLASSICS
on the market**

**Invaluable to STUDENTS, SCHOLARS, TEACHERS, and
MINISTERS**

EVERYONE—SHOULD—READ—THE—FAMOUS

SCOTT

**ONE SHILLING
NET EACH VOLUME**

**130 VOLUMES
READY**

LIBRARY

Latest Additions:—

**FROUDE'S "NEMESIS OF FAITH"
POLITICAL ECONOMY SELECTIONS
RENAN'S "MARCUS AURELIUS"
NEWMAN'S SELECT ESSAYS
NEWMAN'S UNIVERSITY SKETCHES
STORY OF THE OXFORD MOVEMENT
HUME'S "POLITICAL DISCOURSES"**

**EVERY
BOOKSELLER**

**KEEPS
THE**

**SCOTT
LIBRARY**

Write for full detailed LISTS of this Library

WALTER SCOTT PUBLISHING CO., Ltd., pay for all literary suggestions which they adopt. They also undertake the production of every kind of printing and bookbinding for the trade.

HEAD OFFICES, THE WORKS, FELLING-ON-TYNE

BOOKS FOR M.A. HONOURS EXAMINATION.

PHILOSOPHY.

Mill's Logic, ...	£0 2 8
Venn's Empirical Logic, ...	0 13 6
Bosanquet's Logic, 2 vols., ...	0 16 0
James' Principles of Psychology, 2 vols., ...	1 5 0
Green's Political Obligation, ...	0 3 9
Aristotle's Ethics, by Welldon, ...	0 5 8
„ Politics, by Welldon, ...	0 8 0
Berkeley's Life and Works, by Prof. Fraser, 4 vols., ...	0 18 0
Plato's Sophist, ...	0 3 9
Aristotle, De Anima, ...	0 1 3
Hume's Human Nature, by Selby-Bigge, ...	0 6 9
Wallace's Logic of Hegel, ...	0 8 0
Kant's Critique of Pure Reason, ...	0 3 9
Schwegler's History of Philosophy, ...	0 4 6
Plato's Republic, by Davies and Vaughan, ...	0 2 6
Spinoza's Ethics, 2 vols., ...	0 7 6
Hegel's Philosophy of Right, by Dyde, ...	0 3 6
Reid's Works, by Hamilton, 2 vols., ...	0 16 0
Burnet, Early Greek Philosophy, ...	0 8 0
Sidgwick's Methods of Ethics, ...	0 14 0
Green's Prolegomena to Ethics, ...	0 5 8
Kant's Theory of Ethics, by Abbott, ...	0 9 6
„ Principles of Metaphysics of Ethics, ...	0 2 3
Stout's Analytic Psychology, 2 vols., ...	0 16 0
Kulpe's Outlines of Psychology, ...	0 8 0
Sidgwick's Elements of Politics, ...	0 14 0

LITERATURE.

Aristotle's Rhetoric and Poetics, ...	0 3 9
Quintilian's Institutes, 2 vols., ...	0 7 6
Ben Jonson's Discoveries, ...	0 1 6
Milton, edited by Prof. Masson, ...	0 2 8
Wordsworth's Poems and Prose Prefaces, ...	0 2 8
Ten Brink's Early English Literature, ...	0 3 9
Stopford Brooke's Early English Literature, ...	0 5 8
Guest's English Rhythms, ...	0 18 0
Ward's English Dramatic Literature, 3 vols., ...	1 16 0
Craik's English Prose, 5 vols., ...	each 0 5 8
Saintsbury's Elizabethan Literature, ...	0 5 8
„ Nineteenth Century Literature, ...	0 5 8
„ Short History of English Literature, ...	0 6 6
„ History of Criticism, Vol. I., ...	0 16 0
„ History of Criticism, Vols. II. and III., ...	each 1 0 0
„ Loci Critici, ...	0 5 8
Longinus on The Sublime, by Rhys Roberts, ...	0 6 9
Gosse's Eighteenth Century Literature, ...	0 5 8
Ward's English Poets, 4 vols., ...	1 3 6
Irving's Scottish Poetry, ...	0 6 6
Dryden's Dramatic Poesy, ...	0 2 11
Johnson's Lives of the Poets, ...	0 1 6
Coleridge's Biographia Literaria, ...	0 2 8
M. Arnold's Essays in Criticism, 2 vols., ...	each 0 4 0
Gregory Smith's Specimens of Middle Scots, ...	0 7 6
Addison on Paradise Lost, ...	0 0 9
„ Pleasures of the Imagination, ...	0 0 3
Pope's Essay on Criticism	0 1 6

JAMES THIN, Publisher to the University,

54 and 55 SOUTH BRIDGE, 1 and 2 LINDSAY PLACE.

BOOKS FOR M.A. EXAMINATION.

NATURAL PHILOSOPHY.

M'Gregor's Kinematics and Dynamics, ...	£0 8 0
Hick's Dynamics, ...	0 5 0
Knott's Physics, ...	0 5 8
Blaikie's Dynamics, ...	0 2 11
Peddle's Physics, ...	0 5 8
Watson's Text Book of Physics, ...	0 8 0
Tait's Properties of Matter, ...	0 5 8

LOGIC AND MORAL PHILOSOPHY.

Fraser's Berkeley, <i>Philosophical Classics</i> , ...	0 1 0
„ Selections from Berkeley, ...	0 5 8
Stout's Psychology, ...	0 6 6
„ Groundwork of Psychology, ...	0 3 5
Mellone's Logic, ...	0 3 9
James' Psychology, ...	0 7 0
Plato's Theætetus, by Dyde, ...	0 4 6
Aristotle's Ethics, by Peters, ...	0 4 6
Roger's History of Philosophy, ...	0 8 6
Hume's Human Understanding, by Selby-Bigge, ...	0 6 0
Seth's Ethical Principles, ...	0 5 8
Butler's Sermons on Human Nature, by Kilpatrick, ...	0 1 2
Mill's Utilitarianism, ...	0 1 0
Sidgwick's History of Ethics, ...	0 2 8
Schwegler's History of Philosophy, ...	0 4 6

EDUCATION.

Laurie's Institutes of Education, ...	0 5 0
„ Language and Linguistic Method, ...	0 3 0
„ Comenius, ...	0 2 8
„ Pre-Christian Education, ...	0 5 8
Locke's Education, edited by Quick, ...	0 2 8
„ Conduct of the Understanding, ...	0 2 1
Rosenkranz's Philosophy of Education, ...	0 4 6
Rousseau's Emile, ...	0 4 6
Quick's Educational Reformers, ...	0 2 8
Compayré's History of Pedagogy, ...	0 5 0
Drummond's The Child, ...	0 1 0

COMMERCIAL AND POLITICAL ECONOMY.

Nicholson's Political Economy, Vols. I. and III., ...	each 0 11 3
„ „ Vol. II., ...	0 9 6
„ Elements of Political Economy, ...	0 7 6
Mill's Political Economy, ...	0 2 8
Marshall's Economics of Industry, ...	0 2 8
Smith's Wealth of Nations, by Nicholson, ...	0 3 0
Nicholson's Money and Monetary Problems, ...	0 5 8

HISTORY.

Gardiner's Students' History of England, ...	0 9 0
Green's Short History of the English People, ...	0 6 6
Fletcher's Introductory History of England, ...	0 5 8
Woodward's Expansion of the British Empire, ...	0 3 0
Firth's Oliver Cromwell, ...	0 3 9
Hallam's Constitutional History of England	0 3 9
May's Constitutional History of England, 3 vols., ...	0 13 6
Ransome's Advanced History of England, ...	0 5 8
Morris' History of Ireland, ...	0 4 6
Gardiner's Puritan Revolution, ...	0 2 1
Macaulay's History of England, 2 vols., ...	0 3 9
Mathieson's Politics and Religion in Scotland, 2 vols., ...	1 1 0
Hume Brown's History of Scotland, Vols. I. and II., ...	each 0 4 6

ARCHÆOLOGY AND ART.

Baldwin Brown's The Fine Arts, ...	0 6 0
Tarbell's History of Greek Art, ...	0 6 0
Poynter's Classic and Italian Painting, ...	0 2 8

BOOKS FOR M.A. EXAMINATION.

CLASSICS.

Virgil's <i>Æneid</i> , III., ...	£0 1 3
" " VI., ...	0 1 3
Horace's <i>Odes</i> , III., ...	0 1 8
Lucan's <i>Pharsalia</i> , I., ...	0 1 3
Cicero, <i>Pro Marcella Pro Ligario Pro Deiotario</i> , ...	0 2 1
Tacitus, <i>Annals</i> , I., ...	0 1 8
" <i>Agricola</i> , ...	0 1 8
Homer's <i>Iliad</i> , XVIII., ...	0 4 6
Thucydides, III., ...	0 4 2
Plato's <i>Euthydemus</i> , ...	0 2 11
Sophocles' <i>Ajax</i> , ...	0 1 8
Bradley's <i>Arnold's Latin Prose</i> , ...	0 4 2
Gildersleeves' <i>Latin Grammar</i> , ...	0 4 6
Crutwell's <i>Roman Literature</i> , ...	0 6 6
Mackail's <i>Latin Literature</i> , ...	0 2 8
Howe and Leigh's <i>Roman History</i> , ...	0 5 8
Myres' <i>History of Rome</i> , ...	0 3 9
Bury's <i>History of Greece</i> , ...	0 6 6
Sidgwick's <i>Greek Prose Composition</i> , ...	0 4 2
Jevon's <i>Greek Literature</i> , ...	0 6 6
Jebb's <i>Greek Literature Primer</i> , ...	0 0 10
Lewis and Short's <i>Latin Dictionary</i> , ...	0 18 9
Liddell and Scott's <i>Greek Lexicon</i> , ...	1 7 0

ENGLISH.

Morris' <i>Historical Outlines of English Accidence</i> , ...	0 4 6
Saintsbury's <i>English Literature</i> , ...	0 6 6
Hallam, <i>Literature of Europe</i> , ...	0 3 9
Bain's <i>Composition</i> , 2 vols., ...	0 5 10
Raleigh on <i>Style</i> , ...	0 3 9
Masson's <i>Use and Abuse of English</i> , ...	0 0 9
Shakespeare's <i>Hamlet</i> , ...	0 1 8
" <i>A Midsummer Night's Dream</i> , ...	0 1 3
Chaucer's <i>Prologue</i> , ...	0 0 10
Spenser's <i>Faerie Queen</i> , I., ...	0 1 6
Milton's <i>Lycidas</i> , ...	0 0 3
" <i>Areopagitica</i> , ...	0 2 6
Dryden's <i>Essay of Dramatic Poesy</i> , ...	0 2 11
Pope's <i>Essay on Criticism</i> , ...	0 1 6
Cowper's <i>Poems</i> , by Lee	0 2 1
" " <i>by Milford</i> , ...	0 2 8
Shelley's <i>Adonais</i> , ...	0 2 11
M. Arnold's <i>Poems</i> , ...	0 2 6

MATHEMATICS.

Wilson's <i>Plane Geometry</i> , ...	0 3 9
" <i>Solid Geometry and Conic Sections</i> , ...	0 2 11
Chrystal's <i>Introductory Algebra</i> , ...	0 4 2
" <i>Algebra</i> , Part I., ...	0 9 6
" " <i>Part II.</i> , ...	0 9 6
Pressland and Tweedie's <i>Trigonometry</i> , ...	0 2 11
Gibson's <i>Calculus</i> , ...	0 5 8
M'Clelland and Preston's <i>Spherical Trigonometry</i> , Part I., ...	0 3 5
Smith's <i>Conic Sections</i> , ...	0 5 8
" <i>Solid Geometry</i> , ...	0 7 2
Macdonald's <i>Higher Geometry</i> , ...	0 2 11

JAMES THIN, Publisher to the University,
54 and 55 SOUTH BRIDGE, 1 and 2 LINDSAY PLACE.

For the Edinburgh University Examinations. KELLY'S KEYS TO THE CLASSICS.

Literal English Translations of the Latin and Greek Classics.

BOOK POST.—Any of these Keys will be sent by Post for Two Stamps extra. Orders by Post must be accompanied by Stamps or Post-Office Order, and will receive immediate attention.

Specimen of Kelly's Keys to the Classics. From *Cæsar's Gallic War*. By J. B. OWGAN.

"All Gaul is divided into three parts, of which the Belgæ inhabit one, the Aquitani another, those who in their own language are called Celtae, in ours, Gauls, a third. All these differ among themselves in language, institutions, laws." s. d.

Kelly's Latin Keys.

	s.	d.
<i>Cæsar</i> de Bello Gallico (Books 1 to 4) . . .	1	6
<i>Cæsar</i> de Bello Gallico (Books 5, 6, 7) . . .	1	6
<i>Cæsar's</i> Gallic War (Complete) . . .	2	6
<i>Cæsar</i> de Bello Civili (Bks. 1 & 2) . . .	1	6
<i>Cæsar</i> de Bello Civili (Book 3) . . .	1	6
<i>Cicero's</i> de Senectute et de Amicitia . . .	1	0
<i>Cicero's</i> Offices, 2s.; Pro Sulla . . .	1	6
<i>Cicero</i> in Verrem. Actio Prima . . .	1	6
<i>Cicero</i> in Verrem. Actio Secunda . . .	1	6
<i>Cicero</i> in Verrem. Act 2, Chap. 4. (De Signis) . . .	1	6
<i>Cicero</i> against Catiline and Pro Balbo, ea. . .	1	6
<i>Cicero</i> Pro Milone and Pro Murena, each . . .	1	6
<i>Cicero</i> (Leges Manilia) (Pro Archia) each . . .	1	0
<i>Cicero's</i> Divinatio (against Q. Cæcilius) . . .	1	6
<i>Cicero</i> on the Nature of the Gods . . .	2	6
<i>Cicero</i> Pro Roscio Amerino . . .	1	6
<i>Cicero</i> Pro Cluentio and Pro Sestio, each 2 . . .	0	0
<i>Cicero</i> Pro Marcello, 1s.; Pro Plancio . . .	1	6
<i>Cicero</i> The Second Philippic . . .	1	6
<i>Cicero</i> The Fourteenth Philippic . . .	1	6
<i>Cornelius Nepos</i> . . .	2	0
<i>Eutropius</i> . . .	1	6
<i>Horace</i> (Complete) . . .	2	6
<i>Horace</i> (Satires and Epistles) . . .	1	6
<i>Horace</i> (Odes, Epodes) . . .	1	6
<i>Juvenal's</i> Satires . . .	2	0
<i>Liuy</i> (Books 1 and 2), and (Book 3), each . . .	1	6
<i>Liuy</i> (Books 1 to 3), and (4 and 5), each 2 . . .	6	
<i>Liuy</i> (Books 4, 5, 6, 7, and 9), each . . .	1	6
<i>Liuy</i> (Book 21), and (Book 22), each . . .	1	6
<i>Liuy</i> (Books 23, 24, 26, and 31), each . . .	1	6
<i>Ovid</i> Fasti (Books 1 to 3) . . .	2	0
<i>Ovid</i> Fasti (Books 4, 5, and 6) . . .	2	0
<i>Ovid</i> Fasti (Complete) . . .	3	6
<i>Ovid</i> Heroides (Epistles 1 to 13) . . .	2	0
<i>Ovid</i> ex Ponto (Books 1 and 2) . . .	1	6
<i>Ovid</i> ex Ponto (Books 3 and 4) . . .	1	6
<i>Ovid</i> Metamorphoses (Books 1 to 3) . . .	1	6
<i>Ovid</i> Metamorphoses (Books 4 and 5) (Books 6 and 7), (Book 8), (Books 9 and 10), (Books 11 and 12), (Book 13), each . . .	1	6
<i>Ovid</i> Metamorphoses (Books 14 and 15) . . .	1	6
<i>Ovid</i> Tristia (Books 1 and 2) . . .	1	6
<i>Ovid</i> Tristia (Book 3) . . .	1	0
<i>Plautus'</i> Menæchmi, Trinummus, each . . .	1	6
<i>Sallust</i> Catiline, 1s.; Jugurtha . . .	1	6
<i>Sallust</i> Histories (Complete) . . .	2	0
<i>Tacitus'</i> Annals, Books 1 to 3 . . .	1	6
<i>Tacitus'</i> Annals, Books 4 to 6 . . .	1	6
<i>Tacitus'</i> Annals (Books 1 to 6) . . .	2	6
<i>Tacitus'</i> Histories (Books 1, 2, 3, and 4), ea. . .	1	6
<i>Tacitus'</i> Histories (Book 5) . . .	1	0
<i>Tacitus'</i> Germany and Agricola . . .	1	6

<i>Terence's</i> Adelphi and Phormio, each . . .	1	6
<i>Terence's</i> Heautontimorumenos . . .	1	6
<i>Terence's</i> Andria . . .	1	6
<i>Virgil</i> Bucolics and Georgics . . .	1	6
<i>Virgil</i> Æneid (Books 1 to 6) . . .	1	6
<i>Virgil</i> Æneid (Books 7 to 12) . . .	1	6
<i>Virgil</i> Whole Works . . .	2	6
<i>Virgil</i> Æneid, Book 1, completely parsed . . .	1	6

Also Cornish's Interlinear Word for Word Keys.

Kelly's Greek Keys.

<i>Æschines'</i> against Ctesiphon . . .	2	0
<i>Æschylus'</i> Prometheus Vincit . . .	1	0
<i>Æschylus'</i> Seven against Thebes . . .	1	0
<i>Æschylus'</i> Persæ . . .	1	0
<i>Aristophanes'</i> Clouds, 2s.; Knights . . .	1	6
<i>Aristophanes'</i> Wasps, Frogs, each . . .	1	6
<i>Aristophanes'</i> Plutus . . .	1	6
<i>Demosthenes'</i> Philippics . . .	1	0
<i>Demosthenes'</i> Olynthiacs . . .	1	0
<i>Demosthenes</i> , on the Crown . . .	2	0
<i>Demosthenes</i> against Leptines . . .	1	6
<i>Demosthenes'</i> Pro Phormione and Contra Cononem . . .	1	6
<i>Euripides'</i> Hecuba and Medea, each . . .	1	0
<i>Euripides'</i> Phœnissæ and Alcestis, each . . .	1	0
<i>Euripides'</i> Ion and Hercules Furens, ea. . .	1	6
<i>Euripides'</i> Troades . . .	1	6
<i>Euripides'</i> Iphigenia in Aulis . . .	1	6
<i>Euripides'</i> Bacchæ and Andromache, ea. . .	1	6
<i>Euripides'</i> Heraclidae and Hippolytus, ea. . .	1	0
<i>Euripides'</i> Iphigenia in Tauris . . .	1	6
<i>Herodotus</i> (Books 1, 5 and 6, and 7), ea. . .	2	0
<i>Herodotus</i> (Books 2, 3, 4, 8 and 9), ea. . .	1	6
<i>Homer's</i> Iliad (1 to 4), (5 to 8), each . . .	1	6
<i>Homer's</i> Iliad (9 to 12), (13 to 16), each . . .	1	6
<i>Homer's</i> Iliad (17 to 20), (21 to 24) each . . .	1	6
<i>Homer's</i> Odyssey (Books 1 to 6) . . .	2	0
<i>Homer's</i> Odyssey (Books 7 to 12) . . .	2	0
<i>Homer's</i> Odyssey (Books 13 to 18) . . .	2	0
<i>Homer's</i> Odyssey (Books 19 to 24) . . .	2	0
<i>Homer's</i> Odyssey (Complete) . . .	3	6
<i>Isocrates'</i> Panegyric . . .	2	0
<i>Lucian's</i> Dialogues and Somnium . . .	2	6
<i>Lucian's</i> Vera Historia . . .	2	0
<i>Lysias'. Funeral Oration and Against Eratosthenes, 2s.; Pro Mantitheo</i> . . .	1	6
<i>Plato. Euthyphro and Laches</i> 1/6, <i>Ion</i> . . .	1	0
<i>Plato. Socrates and Crito</i> , with the Phædo . . .	2	0
<i>Plato. The Republic</i> (Bk. 1) 1/6. <i>Meno</i> . . .	1	6
<i>Sophocles'</i> Œdipus Tyrannus . . .	1	0
<i>Sophocles'</i> Antigone and Ajax, each . . .	1	0
<i>Sophocles'</i> Philoctetes, 1s.; <i>Electra</i> . . .	1	6
<i>Sophocles'</i> Œdipus Coloneus . . .	1	6
<i>Sophocles'</i> Trachiniæ . . .	1	6

LONDON: JAMES CORNISH & SONS, 297 HIGH HOLBORN.

EDINBURGH: OLIVER & BOYD, AND JAMES THIN.

Advertisements

KELLY'S KEYS TO THE CLASSICS.—Continued.

<i>Thucydides</i> , Book 1, 2s.: Book 5, 2s.; s. d.	
Books 2, 3, 4, 6, 7, and 8, each	1 6
<i>Xenophon</i> Anabasis, Books (1 to 3), (4 and 5), and (6 and 7), each	1 6
<i>Xenophon</i> Anabasis (Complete)	3 6
<i>Xenophon</i> Hellenics (Books 1 to 3) (4 and 5) and (6 and 7), each	2 0
<i>Xenophon</i> Hellenics (Complete)	3 6
<i>Xenophon</i> Cyropædia (Books 1, 2, 3) (Bks. 4 to 6) and (Bks. 7 and 8), each	2 0
<i>Xenophon</i> Agesilaus	2 0
<i>Xenophon</i> Economicus	2 0

Kelly's Keys to the Foreign Classics	
	s. d.
<i>Corneille's</i> Cinna and Le Cid, each	1 6
<i>Corneille's</i> Horace and Polyeucte, each	1 6
<i>Klees'</i> Die Deutschen Heldensagen	2 6
<i>Moliere's</i> Le Malade Imaginaire	1 6
Prosper Merimee Colomba	2 6
<i>Racine's</i> Athalie and Esther, each	1 6
<i>Racine's</i> Phædra and Iphigénie, each	1 6
<i>Souvestre's</i> Un Philosophe sous les Toits	2 6
Xavier de Maistre, La Jeune Siberienne and Le Lepreux de la Cité d'Aoste	1 6

DR GILES'S KEYS TO THE CLASSICS.

Translated Word for Word with the Text.

Give the exact construing of the Greek and Latin Classics, as they are construed at the Universities and Public Schools.

Specimen of Dr Giles's Keys to the Classics.

FROM VIRGIL'S *ÆNEID*, BOOKS I.—IV.

Cano I sing *arma arms* *virumque* and the man *qui* who *primus* first, *profugus* a wanderer *fato* by fate *venit* came *ab oris* from the shores *Trojæ* of Troy *Italiam* to Italy *Lavinæque littora* and the Lavinian shores.

Latin.	s. d.
<i>Cæsar's</i> Gallic War, Books 1 to 4	2 6
<i>Cæsar's</i> Gallic War, Books 5 to 7	2 6
<i>Cæsar's</i> Gallic War, complete, paper	5 0
<i>Cæsar's</i> Gallic War, complete, cloth	5 6
<i>Cicero</i> on Old Age and Friendship	2 0
<i>Cicero's</i> Orations, vol. 1. <i>Lege Manilia</i> , <i>Archias</i> , <i>Rabirius</i> and <i>Sulla</i>	2 6
<i>Cicero's</i> Orations, vol. 2. Against <i>Catiline</i>	2 6
<i>Cicero's</i> Nature of the Gods, Part I.	2 6
<i>Cornelius Nepos</i>	3 0
<i>Horace's</i> Odes and Epodes	2 6
<i>Horace's</i> Satires, Epistles, &c.	2 6
<i>Horace</i> , complete in 1 vol.	5 0
<i>Juvenal</i> and <i>Persius's</i> Satires	3 0
<i>Liuy's</i> History, Books 21 and 22	2 6
<i>Ovid's</i> Metamorphoses, Books 1 to 4	2 6
<i>Plautus'</i> <i>Trinummus</i> and <i>Miles Gloriosus</i>	2 6
<i>Sallust's</i> War of <i>Catiline</i>	1 6
<i>Sallust's</i> <i>Jugurthine</i> War	2 6
<i>Tacitus'</i> <i>Germany</i> and <i>Agricola</i>	1 6
<i>Terence's</i> <i>Andria</i> and <i>Eunuchus</i>	2 6
<i>Terence's</i> <i>Adelphi</i> and <i>Self-Tormentor</i>	2 6
<i>Terence's</i> <i>Phormio</i> and <i>Hecyra</i>	2 6
<i>Virgil's</i> <i>Bucolics</i> and <i>Georgics</i>	2 6
<i>Virgil's</i> <i>Æneid</i> , Books 1 to 4	2 6
<i>Virgil's</i> <i>Æneid</i> , Books 5 to 8	2 6
<i>Virgil's</i> <i>Æneid</i> , Books 9 to 12	2 6
<i>Virgil</i> , complete in 1 vol., cloth	10 6

Greek.

<i>Aristotle's</i> Ethics, Books 1 to 5	3 6
<i>Æschylus'</i> <i>Promethæus</i> , <i>Suppliants</i> , <i>Persæ</i> , and <i>Seven</i> against <i>Thebes</i>	3 0

Greek—continued.	s. d.
<i>Æschylus</i> , <i>Agamemnon</i> , <i>Choephorus</i> , and <i>Eumenides</i>	3 0
<i>Euripides'</i> <i>Phœnissæ</i> and <i>Medea</i>	2 6
<i>Euripides'</i> <i>Hecuba</i> and <i>Orestes</i>	2 6
<i>Homer's</i> <i>Iliad</i> , Books 1 to 6	3 6
<i>Homer's</i> <i>Iliad</i> , Books 7 to 12	3 6
<i>Homer's</i> <i>Iliad</i> , Books 13 to 15	2 6
<i>Homer's</i> <i>Iliad</i> , Books 16 to 18	2 6
<i>Homer's</i> <i>Iliad</i> , Books 19 to 21	2 6
<i>Homer's</i> <i>Iliad</i> , Books 22 to 24	2 6
<i>Homer's</i> <i>Odyssey</i> , Books 1 to 6	3 0
<i>Homer's</i> <i>Odyssey</i> , Books 7 to 12	3 0
<i>Homer's</i> <i>Odyssey</i> , Books 13 to 18	3 0
<i>Homer's</i> <i>Odyssey</i> , Books 19 to 24	3 0
<i>Longinus</i> on the Sublime	2 6
<i>Pindar's</i> Odes, <i>Nemeans</i> and <i>Isthmians</i>	1 6
<i>Plato's</i> Apology of <i>Socrates</i> and <i>Crito</i>	2 0
<i>Xenophon's</i> Anabasis, Books 1 and 2	2 6
<i>Xenophon's</i> Anabasis, Books 3, 4, and 5	3 0
<i>Xenophon's</i> Anabasis, Books 6 and 7	2 6
<i>Xenophon's</i> <i>Memorabilia</i> , Books 1 and 2 and Books 3 and 4, each	2 6
The New Testament, complete in 2 vols.	21 0

Parts to be had separately, as follows:—

St Matthew, St Mark, St Luke, St John, each	2 6
The Four Gospels in 1 vol., cloth	10 6
The Acts of the Apostles	2 6
St Paul's Epistles—Romans to Corinthians	2 6
St Paul's Epistles—Galatians to Hebrews	2 6
The General Epistles and Revelation of St John	2 6

London: JAMES CORNISH & SONS, 297 High Holborn, W.C.

Edinburgh: OLIVER & BOYD, and JAMES THIN.

EDINA EDITION OF THE POETS.

Imperial Crown 8vo, Gilt Top, Price 3s. 6d. each,
and in Limp and Padded Leather Bindings.

1. Tennyson's Poetical Works.
2. Robert Browning's Poetical and Dramatic Works.
3. Elizabeth Barrett Browning's Works.
4. Whittier's Poetical Works.
5. Longfellow's Poetical Works.
6. Burns' Complete Works.
7. Shakespeare's Complete Works. Large Type (over 1300 pages).
8. Scott's Poetical Works. With Notes. Edited by ANDREW LANG.
9. Keat's Complete Works. Edited by W. S. SCOTT and G. SAMPSON.

NEW VOLUMES.

10. Wordsworth's Complete Works.
11. Milton's Poetical Works.
12. Emerson's Complete Works.

"An Edition of Browning so attractive and so cheap that it is certain to have a large sale."—*London Quarterly Review*.

POCKET EDITIONS.

On Special Thin Opaque Paper. Crown 8vo Size.

Cloth, Gilt Top, 2s. net. Limp, Paste Grain, 3s. net.
Lambskin Limp, 3s. 6d. net.

1. Tennyson.
2. Robert Browning.
3. Elizabeth Barrett Browning.
4. Whittier.
5. Longfellow.
6. Burns.
7. Keats.

ALEX. SMITH'S WORKS. (Pocket Edition.)

1. A Summer in Skye.
2. Dreamthorp. With Biographical and Critical Introduction by C. KENNETH BURROW.

W. P. NIMMO, HAY & MITCHELL, EDINBURGH.

T. & T. CLARK'S PUBLICATIONS.

DIVINITY AND PHILOSOPHY, ETC.

Now Complete in FIVE VOLUMES (including the EXTRA Volume recently published).

HASTINGS' DICTIONARY OF THE BIBLE. Published price per volume, in cloth, 28s.; in dark purple half-morocco, 34s. Complete sets may also be had in other half-morocco bindings: prices on application.

"The standard authority for biblical students of the present generation."—*Times*.

Full Prospectus, with Specimen pages, free on application.

COMPARATIVE RELIGION: its Genesis and Growth. By Rev. LOUIS H. JORDON, B.D., late special Lecturer on Comparative Religion at the University of Chicago. 8vo, 12s. net.

"A most excellent and painstaking monograph. Clear in argument, full in information."—Principal A. M. FAIRBAIRN, D.D.

THE INTERNATIONAL CRITICAL COMMENTARY. Editors—Dr DRIVER, Dr PLUMMER, and Dr BRIGGS.

GRAY'S Numbers. 12s.

DRIVER'S Deuteronomy. 12s.

MOORE'S Judges. 12s.

SMITH'S Samuel. 12s.

TOT'S Proverbs. 12s.

HARPER'S Amos and Hosea. 12s.

GOULD'S St Mark. 10s. 6d.

PLUMMER'S St Luke. 12s.

SANDAY and HEADLAM'S Romans. 12s.

ABBOTT'S Ephesians and Colossians. 10s. 6d.

VINCENT'S Philippians and Philemon. 8s. 6d.

BIGG'S St Peter and St Jude. 10s. 6d.

THE INTERNATIONAL THEOLOGICAL LIBRARY. Editors—Principal SALMOND and Dr BRIGGS.

DRIVER'S Introduction to the Literature of the Old Testament. 12s.

SMYTH'S Christian Ethics. 10s. 6d.

BRUCE'S Apologetics. 10s. 6d.

FISHER'S History of Christian Doctrine. 12s.

MCGIFFERT'S History of the Apostolic Age. 12s.

ALLEN'S Christian Institutions. 12s.

GLADDEN'S Christian Pastor and the Working Church. 10s. 6d.

STEVENS' The Theology of the New Testament. 12s.

RAINY'S The Ancient Catholic Church. 12s.

DAVIDSON'S The Theology of the Old Testament. 12s.

STEVENS' Christian Doctrine of Salvation. 12s.

LINDSAY'S History of the Reformation, 2 vols. 10s. 6d. each.

A CONCORDANCE TO THE GREEK TESTAMENT. According to the Texts of WESTCOTT and HORT, TISCHENDORF, and the English Revisers. Edited by W. F. Moulton, D.D., and Professor A. S. GEDEN, M.A. Crown 4to (pp. 1040). Price 26s. net, or in half-morocco, 31s. 6d. net.

GRIMM'S LEXICON. Greek-English Lexicon of the New Testament. Translated, Revised, and Enlarged, by J. H. THAYER, D.D. Demy 4to, 36s.

CREMER'S LEXICON. Biblio-Theological Lexicon of the New Testament Greek. By H. CREMER, D.D. Third Edition, with Supplement. Demy 4to, 38s.

Prof. DAVIDSON'S HEBREW GRAMMAR. 7s. 6d. HEBREW SYNTAX. 7s. 6d.

SELECTIONS FROM THE LITERATURE OF THEISM. Edited with Introductory and Explanatory Notes. By ALFRED CALDECOTT, D.D., and H. R. MACKINTOSH, D.Phil. Post 8vo. 7s. 6d. net.

LAW.

THE ROMAN LAW OF SALE. By JAMES MACKINTOSH, LL.D., Advocate, Professor of Civil Law, University of Edinburgh. 8vo. 10s. 6d.

INSTITUTES OF GAIIUS AND RULES OF ULPIAN. By Prof. J. MUIRHEAD. 8vo. 21s.

SAVIGNY'S PRIVATE INTERNATIONAL LAW. By W. GUTHRIE, LL.D. 21s.

BELL'S PRINCIPLES OF THE LAW OF SCOTLAND. Tenth Edition. By W. GUTHRIE, LL.D. Imp. 8vo. £2, 12s. 6d.

Edinburgh: T. & T. CLARK, 38 George Street.

4—Front.

SUGGESTED LIBRARY FOR A CIVIL ENGINEER

The Theory and Practice of Surveying	JOHNSON	17/- net.
Mechanics of Engineering	I. P. CHURCH	25/6 „
Materials of Construction	JOHNSON	25/6 „
Treatise on Concrete, Plain and Reinforced	TAYLOR and THOMPSON	21/- „
Treatise on Foundations	PATTON	21/- „
Civil Engineer's Pocket-book	TRAUTWINE	21/- „
Architect's and Builder's Pocket-book	KIDDER	21/- „
Highway Construction	BYRNE	21/- „
A Text-book on Roofs and Bridges, 4 vols.	MERRIMAN and JACOBY	42/- „
A Treatise on Arches	HOWE	17/- „
A Treatise on Hydraulics	MERRIMAN	21/- „
Public Water-supplies	TURNEAURE and RUSSELL	21/- „
Filtration of Public Water-supplies	ALLEN HAZEN	12/6 „
Design and Construction of Dams	WEGMANN	21/- „
Sewerage	FOLWELL	12/6 „
Sewer Design	H. N. OGDEN	8/6 „
Searles' Field Engineering		12/6 „
Crandall's Earthwork Tables		6/6 „

Catalogue containing full particulars of these and other publications will be sent on application

CHAPMAN & HALL, Ltd.

11 Henrietta St., Covent Garden, London

Agents for—

JOHN WILEY & SONS

43-45 East Nineteenth Street, New York

MESSRS CONSTABLE'S LIST.

A TREASURY OF ENGLISH LITERATURE. Selected and arranged by KATE M. WARREN, Lecturer in English Language and Literature at Westfield College (University of London), and Deputy Assistant Lecturer in the same at Bedford College for Women (University of London), with an Introduction by Rev. STOFFORD BROOKE, M.A. Demy 8vo. 7s. 6d. net.

[*Shortly.*

SEXTI PROPERTI OPERA OMNIA. With a Commentary by H. E. BUTLER, M.A., Fellow of New College, Oxford. Extra crown 8vo. 8s. 6d. net.

"No serious student of Propertius can in future afford to dispense with Mr Butler's interesting and elucidating edition."—*School Guardian*.

HISTORIC GREEK COINS. By G. F. HILL, Author of "The Coins of Sicily," etc. With 13 Plates illustrating 100 Coins. Demy 8vo. 10s. 6d. net.

AN ENGLISH GARNER. Ingatherings from our History and Literature. Edited by Professor EDWARD ARBER. A New Edition, rearranged in Classified Form, in 12 volumes. With Introductions written by Experts on their Subjects and Scholars of their Special Periods. Demy 8vo. Price 4s. net per volume. (Sold separately or in sets.) Prospectus containing full particulars on application.

ENGLISH REPRINTS. Edited by Professor EDWARD ARBER. 30 volumes. Fcap. 8vo, cloth. Prospectus with List of Titles, Prices, etc., on application.

SPENSER'S FAERIE QUEEN. Student's Edition. Edited by KATE M. WARREN. In 6 volumes. Fcap. 8vo, cloth. Per volume, 1s. 6d. net; complete, 9s. net.

BOSWELL'S LIFE OF JOHNSON. Edited by the Right Hon. AUGUSTINE BIRRELL. Popular Edition, with Frontispieces in Photogravure, 6 volumes. Fcap. 8vo, cloth. 6s. net.

NEW TECHNICAL BOOKS FOR STUDENTS.

EXPERIMENTAL ELECTRO-CHEMISTRY. By N. MONROE HOPKINS, Ph.D. With 130 Illustrations. Demy 8vo. 12s. net.

ELECTRICITY AND MATTER. By Professor J. J. THOMSON, F.R.S. Crown 8vo. 5s. net.

THE DISCHARGE OF ELECTRICITY THROUGH GASES. By Professor J. J. THOMSON. Illustrated. Crown 8vo. 4s. 6d. net.

MECHANICS PROBLEMS FOR ENGINEERING STUDENTS. By Professor F. B. SARBORN. Fully Illustrated. Crown 8vo. 6s. net.

PUBLISHED BY

A. CONSTABLE & CO., Ltd., 16 James Street, Haymarket, S.W.,
and sold by J. THIN, 54 & 55 South Bridge, Edinburgh.

SEELEY & CO.'S BOOKS.

BY PROFESSOR A. J. CHURCH.

THE CROWN OF PINE. A Tale of Corinth and the Isthmian Games. With Illustrations.
"A vivid story. . . . The atmosphere of those far-off times is very cleverly suggested."
—*Yorkshire Post.*

Greek Story and Song. 5s.
Stories of Charlemagne and the Twelve Peers of France. From the Old Romances. 5s.
The Crusaders. A Story of the War for the Holy Sepulchre. 5s.
The Story of the Odyssey. 5s.
Stories from Homer. 5s.
Stories from Virgil. 5s.
Stories from the Greek Tragedians. 5s.
Stories from the Greek Comedians. 5s.
Stories of the East. 5s.

The Story of the Persian War. 5s.
Stories from Livy. 5s.
The Count of the Saxon Shore. 5s.
The Story of the Iliad. 5s.
The Fall of Athens. 5s.
Helmet and Spear. 5s.
Heroes of Chivalry and Romance. 5s.
Roman Life in the Days of Cicero. 5s.
With the King at Oxford. 5s.
The Hammer. 5s.
The Last Days of Jerusalem. 3s. 6d.
Stories from English History. 3s. 6d.

EVENTS OF OUR OWN TIME.

OUR FLEET TO-DAY. By Rear-Admiral S. EARDLEY WILMOT. 5s.
THE WAR IN THE CRIMEA. By Sir E. HAMLEY. 5s.
THE LIBERATION OF ITALY. By the COUNTESS MARTINENGO CESARESCO. 5s.

THE INDIAN MUTINY OF 1857. By Colonel MALLESON. 5s.
THE AFGHAN WARS OF 1839-42 and 1878-80. By ARCHIBALD FORBES. 5s.
THE REFOUNDING OF THE GERMAN EMPIRE. By Colonel MALLESON. 5s.

Uniform with the above.

THE WAR IN THE PENINSULA. By ALEXANDER INNES SHAND. With Four Portraits—Wellington, Sir John Moore, Soult, and Masséna—and Six Plans. 5s.
A SHORT HISTORY OF NAPOLEON THE FIRST. By Sir J. R. SEELEY. With Portrait. Seventh Thousand. 5s.

LONDON: SEELEY & CO., Ltd., 38 GREAT RUSSELL STREET.

Gratis and Post Free to all parts of the World.

E. & F. N. SPON'S CATALOGUE OF BOOKS

Relating to Architecture and Building, Civil and Mechanical Engineering, Electricity, Electric Telegraph, Electric Light, Mining, Sanitation, Arts, Trades, and Manufactures.

LONDON: E. & F. N. SPON, LIMITED, 57 HAYMARKET, S.W.

COLLINS' ILLUSTRATED POCKET CLASSICS.

CLOTH, 1s. NET. LEATHER, 2s. NET.

"The perfection to which cheap reprints have been brought."—*Birmingham Daily Post.*

NEW VOLUMES—DICKENS' WORKS.

A Tale of Two Cities.
Old Curiosity Shop.
Pickwick Papers.
Nicholas Nickleby.
Oliver Twist.

Barnaby Rudge.
Great Expectations.
David Copperfield.
Sketches by Boz.
Dombey and Son.
Bleak House.

American Notes.
Hard Times.
Reprinted Pieces.
Martin Chuzzlewit.
A Child's History.

A Complete List of Titles may be had from all Booksellers.

London and Glasgow: Collins' Clear Type Press.

FORTH
Residential Medical College,
MOUNT CHARLES,
Portobello, Edinburgh.

This College combines a Home and Teaching College for University and College Students.

Candidates received for all Medical Examinations, including Preliminary.

Particulars on application to

Charles Frederick Knight, M.D.,
MEDICAL CLASS ROOMS,
7 CHAMBERS STREET, EDINBURGH.

SCHOOL OF MEDICINE OF THE ROYAL COLLEGES, EDINBURGH.

FOUNDED 1505.

Winter Session commences 16th October 1906.

THE LECTURES qualify for the UNIVERSITY OF EDINBURGH and other Universities; the Royal Colleges of Physicians and Surgeons of Edinburgh, London, and Dublin; the Faculty of Physicians and Surgeons of Glasgow; and other Medical and Public Boards.

In accordance with the recent Ordinances of the Scottish Universities Commission, one-half of the qualifying Classes required for Graduation in the University of Edinburgh may be attended in this School. The Regulations require that the Fee for any Class, taken for Graduation in Edinburgh, shall be the same as that for the corresponding Class in the University.

The whole Education required for Graduation at the UNIVERSITY OF LONDON may be taken in this School, which offers a large choice of Teachers on all subjects in the Medical Curriculum.

There are Special Classes for Women.

Full particulars of the Classes, Fees, &c., will be found in the Calendar of the School, which can be had gratis on application to

R. N. RAMSAY,
SOLICITOR, 27 FORREST ROAD,
SECRETARY & REGISTRAR.

ROYAL INFIRMARY, EDINBURGH.

In this Hospital (with over 900 beds) a portion of the beds is set apart for Clinical Instruction by the Professors of the University of Edinburgh. Courses of Clinical Medicine and Surgery are also given by the Ordinary Physicians and Surgeons. Three Wards are specially set apart for the Clinical Instruction of Women Students. Special Instruction is given in the Medical Department on the Diseases of Women, of the Skin, Physical Diagnosis, &c., and in the Surgical Department on Diseases of the Eye, the Ear, and the Larynx. Separate Wards are devoted to Venereal Diseases, Diseases of Women, Diseases of the Eye; also to cases of Incidental Delirium or Insanity. Post-mortem Examinations are conducted in the Anatomical Theatre by the Pathologists, who also give practical Instruction in Pathological Anatomy and Histology.

MEDICAL DEPARTMENT.

Consulting Physicians, ...	Dr CLAUD MUIRHEAD.
	Dr J. O. AFFLECK.
Consulting Gynecologists, ...	Sir J. HALLIDAY CROOM.
	Emeritus Prof A. R. SIMPSON.
Professors of Clinical Medicine, ...	Sir T. R. FRASER.
	Dr W. S. GREENFIELD.
	Dr JOHN WYLLIE.
	Dr ANDREW SMART.
Ordinary Physicians and Lecturers on Clinical Medicine, ...	Dr ALEXANDER JAMES.
	Dr BYROM BRAMWELL.
	Dr GEO. A. GIBSON.
	Dr ALEX. BRUCE.
Gynecologists, ...	Dr BARBOUR.
	Mr BREWIS.
Physician for Diseases of the Skin, ...	Dr ALLAN JAMIESON.
Medical Electrician, ...	Dr DAWSON TURNER.
	Dr R. W. PHILIP.
	Dr WM. RUSSELL.
Assistant Physicians, ...	Dr J. MURDOCH BROWN.
	Dr G. LOVELL GULLAND.
	Dr J. J. GRAHAM BROWN.
	Dr FRANCIS D. BOYD.
	Dr R. A. FLEMING.
Assistant Gynecologists, ...	Dr F. W. N. HAULTAIN.
	Dr HAIG FERGUSON.
	Dr WM. FORDYCE.
Assistant Physicians for Diseases of the Skin, ...	Dr NORMAN WALKER.
Assistant Medical Electrician, ...	Dr FREDERICK GARDINER.
Medical Registrar, ...	Dr W. HOPE FOWLER.
	Dr A. DINGWALL FORDYCE.

SURGICAL DEPARTMENT.

Consulting Surgeons, ...	Sir P. HERON WATSON.
	Mr JOSEPH BELL.
	Mr A. G. MILLER.
	Dr P. H. MACLAREN.
Consulting Ophthalmic Surgeons, ...	Dr ARGYLL ROBERTSON.
	Mr GEORGE A. BERRY.
Consulting Aural Surgeon, ...	Dr P. M'BRIE.
Consulting Dental Surgeon, ...	Dr JOHN SMITH.
Regius Professor of Clinical Surgery, ...	Mr ANNANDALE.
Professor of Surgery, ...	Mr CHIENE.
	Dr C. W. MACGILLIVRAY.
Ordinary Surgeons, ...	Mr J. M. COTTEBILL.
	Mr CHARLES W. CATHCART.
	Mr FRANCIS M. CAIRD.
Ophthalmic Surgeons, ...	Dr GEORGE MACKAY.
	Dr WM. GEO. SYM.
Surgeon to Ear and Throat Department, ...	Dr M'KENZIE JOHNSTON.
Dental Surgeon (Senior), ...	Mr WILLIAM GUV.
Do. (Junior), ...	Mr J. H. GIBBS.
	Mr HODSDON.
	Mr DAVID WALLACE.
Assistant Surgeons, ...	Mr ALEXIS THOMSON.
	Mr ALEXANDER MILES.
	Mr J. W. DOWDEN.
	Mr A. A. SCOT SKIRVING.
	Mr GEO. L. CHIENE.
Assistant Ophthalmic Surgeons, ...	Dr J. V. PATERSON.
	Dr A. H. H. SINCLAIR.
Assistant Surgeons to Ear and Throat Department, ...	Dr LOGAN TURNER.
Pathologist, ...	Dr J. MALCOLM FARQUHARSON.
	Dr THEODORE SHENNAN.

ROYAL INFIRMARY, EDINBURGH.—Continued.

Assistant Pathologists (for Clinical Pathology)..... Dr W. T. RITCHIE.
Do. (for Morbid Anatomy)..... { Dr HENRY WADE.
 Dr W. CARNEGIE DICKSON.
Surgical Registrar..... Dr SCOTT CARMICHAEL.
Superintendent..... Col. W. P. WARBURTON, M.D., C.S.I.

HOSPITAL TICKETS.—Perpetual Ticket, in One Payment, £12; Annual Ticket, £6, 6s. Six Months, £4, 4s.; Three Months, £2, 2s.; One Month, £1, 1s. Separate Payments amounting to £12, 12s., entitle the Student to a Perpetual Ticket on return of previous Season Tickets.

Appointments.—No Fees are charged for any Medical or Surgical Appointments in this Hospital, which are as follows:—

1. **RESIDENT PHYSICIANS and SURGEONS**, who must be registered as legally qualified Practitioners, are from time to time appointed by the Managers on the recommendation of the Physicians and Surgeons. The holders of these Offices live in the House free of Charge. The appointment is for six months, but may be renewed at the end of that period by special recommendation.
2. **NON-RESIDENT HOUSE PHYSICIANS and SURGEONS**, and **CLINICAL ASSISTANTS**, who must also be registered as legally qualified Practitioners, are appointed by the Managers on the recommendation of the Physicians and Surgeons. The appointment is on the same terms as that of the Resident Physicians and Surgeons.
3. **CLERKS and DRESSERS** are appointed by the Physicians and Surgeons. These appointments are open to all Students and Junior Practitioners holding Hospital Tickets.
4. **ASSISTANTS in the PATHOLOGICAL DEPARTMENT** are appointed by the Pathologist. WM. S. CAW, *Treasurer and Clerk.*

Established 1839.

ENGLISH AND SCOTTISH LAW LIFE ASSURANCE ASSOCIATION.

Subscribed Capital, £1,000,000. (£930,000 UNCALLED.)

ORDINARY "WHOLE LIFE" AND "ENDOWMENT" ASSURANCES.
COMPOUND BONUS EVERY FIVE YEARS.

GUARANTEED 5% INVESTMENT POLICIES.

DEFERRED ASSURANCES FOR CHILDREN.

COMBINED INVESTMENT AND INSURANCE POLICIES.

ANNUITIES GRANTED ON FAVOURABLE TERMS.

LOANS are arranged in connection with Life Assurance on Life Interests, Reversions, PERSONAL, and other Approved Securities.

EDINBURGH: 41 Charlotte Square. LONDON: 12 Waterloo Place.

GLASGOW BRANCH—105 West George Street.



Medical Supply Association, 12 TEVIOT PLACE.

OSTEOLOGY, DRESSING INSTRUMENTS,
DISSECTING CASES, APRONS AND SLEEVES.
OPHTHALMOSCOPES (Prof. Wyllie's, Paxton's, and
 Morton's) Curry & Paxton's Manufacture. *Sole Agents.*
BINAURAL STETHOS., LARYNGOSCOPES, and all
Requisites for Medical Classes.

Guaranteed Finest Quality.

EDINBURGH MERCHANT COMPANY SCHOOLS.

ESTABLISHED BY AUTHORITY OF PARLIAMENT.

For Girls. The Edinburgh Ladies' College, Queen Street. Head Master—ROBERT ROBERTSON, M.A., F.R.S.E.

George Watson's Ladies' College, George Square. Head Mistress—Miss C. E. AINSLIE, B.A.

For Boys. George Watson's College, The Meadows and Archibald Place. Head Master—JOHN ALISON, M.A., F.R.S.E.

Daniel Stewart's College, The Dean. Head Master—W. WALLACE DUNLOP, M.A.

For Boys and Girls. James Gillespie's Schools, Gillespie Crescent. Head Master—WILLIAM JENKINS, M.A., F.E.I.S.

In the four first Schools Education of the highest class is provided, and in the last a sound English Education at moderate fees is given.

Numerous Bursaries and other advantages are connected with the Schools.

Copies of the Prospectus, containing full details, will be obtained on application to the Secretary, at the undernoted address.

THE MERCHANTS' HALL,
EDINBURGH.

THE

Medical College for Women,

MINTO HOUSE,

Chambers Street, Edinburgh.

(Clinical Instruction in the Royal Infirmary.)

Classes qualify for graduation in University of Edinburgh and other Universities, and for the Triple Qualification.

Prospectuses and all information on application to the Secretary.

EDINBURGH UNIVERSITY MEDICAL CLASS BOOKS

PHYSIOLOGY AND HISTOLOGY.

		Cash Price.
Schäfer's Physiology, 2 vols., ...	£3 13 6 for	£2 16 0
Foster's Physiology, 4 vols., ...	2 2 0 „	1 12 0
Landois' Physiology, ...	—	1 10 0
Halliburton's Physiology, ...	—	0 15 0
Halliburton's Chemical Physiology, ...	0 5 0 „	0 3 9
Schäfer's Essentials of Histology, ...	—	0 9 0
„ Practical Histology, ...	0 7 6 „	0 5 8
Klein's Histology, ...	0 7 6 „	0 5 8
Stewart's Physiology, ...	—	0 15 0

SURGERY.

Thomson and Miles' Surgery, 2 vols., ...	—	1 1 0
Caird and Cathcart's Surgical Handbook, ...	0 8 6 „	0 6 6
Erichsen's Surgery, 2 vols., ...	2 8 0 „	0 10 6
Treves' Surgical Operations, ...	0 7 6 „	0 5 8
„ Surgery, 2 vols., ...	2 8 0 „	1 16 0
„ Operative Surgery, 2 vols., ...	2 2 0 „	1 12 0
Chiene's Lectures, ...	0 2 6 „	0 2 0
Jacobson's Operation of Surgery, 2 vols., ...	2 2 0 „	1 12 0
Walsham's Surgery, ...	—	0 18 0
Rose and Carless' Surgery, ...	—	1 1 0
Waring's Operative Surgery, ...	—	0 10 6

MATERIA MEDICA.

Hale White's Materia Medica, ...	—	0 6 6
„ Pharmacology and Therapeutics, ...	—	1 1 0
Cushny's Pharmacology, ...	—	0 17 6
Mitchell Bruce's Materia Medica and Therapeutics, ...	0 7 6 „	0 5 8
Lauder Brunton's Pharmacology and Therapeutics, ...	1 1 0 „	0 16 0
Squire's Companion to the Pharmacopœia, ...	0 12 6 „	0 9 6
Pharmacopœia of the Edinburgh Infirmary, ...	0 3 6 „	0 2 8

PATHOLOGY.

Payne's Pathology, ...	0 12 6 „	0 9 6
Hamilton's Pathology, Vol. I., 2ls. ; Vol. II. (2 pts.), ...	—	1 10 0
Coats' Pathology, ...	—	1 8 0
Woodhead's Pathology, ...	1 5 0 „	0 19 0

MIDWIFERY AND DISEASES OF WOMEN.

Playfair's Midwifery, 2 vols., ...	1 8 0 „	1 1 0
Fothergill's Midwifery, ...	—	0 9 0
Jellett's Manual of Midwifery, ...	—	1 1 0
Hart and Barbour's Gynecology, ...	1 1 0 „	0 16 0
Allbutt's System of Gynecology, ...	—	1 5 0

PRACTICE OF MEDICINE.

Gibson's Text-Book of Medicine, 2 vols., ...	—	1 5 0
Fagge's Practice of Medicine, 2 vols., ...	2 0 0 „	1 10 0
Osler's Practice of Medicine, ...	—	0 18 0
Quain's Dictionary of Medicine, ...	—	1 1 0
Husband's Medicine, ...	—	0 10 6
Taylor's Practice of Medicine, ...	0 16 0 „	0 12 0

MEDICAL JURISPRUDENCE.

Guy and Ferrier's Forensic Medicine, ...	0 16 0 „	0 12 0
Poore's Medical Jurisprudence, ...	—	0 12 0
Smith's Jurisprudence, ...	0 7 6 „	0 5 8
Husband's Medical Jurisprudence, ...	—	0 10 6
Parkes and Kenwood's Hygiene and Public Health, ...	0 12 0 „	0 9 0
Glaister's Medical Jurisprudence, ...	—	0 15 0

JAMES THIN, Bookseller and Publisher to the University.

EDINBURGH UNIVERSITY MEDICAL CLASS BOOKS

			Cash Price.
BOTANY. —Vines' Text-Book of Botany, . . .	£0 15 0	for	£0 11 3
Vines' Elementary Botany, . . .	0 9 0	„	0 6 9
Scott's Structural Botany, 2 vols., . . .	each, 0 3 6	„	0 2 8
Bailey's Botany, . . .	0 6 0	„	0 4 6
Bower's Practical Botany, . . .	0 3 6	„	0 2 8
Edmond's Botany, . . .	0 2 6	„	0 2 0
Strasburger's Text-Book of Botany, . . .	—	„	0 18 0
Fothergill's Botanical Types, . . .	0 2 0	„	0 1 6
Hayward's Botanists' Pocket-book, . . .	0 4 6	„	0 3 6
Babington's British Flora, . . .	—	„	0 9 0
Maenab's Botany, 2 parts, . . .	each, 0 1 6	„	0 1 2
Cook's Structural Botany, . . .	0 1 0	„	0 0 9
Guide to the Botanic Gardens, . . .	—	„	0 0 6
NATURAL HISTORY. —Prof. Cossar Ewart's Class Syllabus, . . .	—	„	0 2 6
Prof. Cossar Ewart's Syllabus of the Mammalia, . . .	—	„	0 10 0
Fothergill's Zoological Types, . . .	0 5 0	„	0 3 9
Thompson's Zoology, . . .	—	„	0 12 6
Shipley and M'Bride's Zoology, . . .	—	„	0 10 6
Marshall on the Frog, . . .	0 5 0	„	0 3 9
Macalister's Vertebrates and Invertebrates, each, . . .	0 1 6	„	0 1 2
M'Alpine's Zoological Atlas, Vertebrates, . . .	0 10 6	„	0 6 0
„ „ Invertebrates, . . .	0 7 6	„	0 5 0
Marshall and Hurst's Practical Zoology, . . .	0 10 6	„	0 8 0
Parker and Haswell's Manual of Zoology, . . .	0 10 6	„	0 8 0
Parker and Parker's Practical Zoology, . . .	0 10 6	„	0 8 0
Smith and Norwell's Illustrations, . . .	0 7 6	„	0 5 8
PHYSICS. —Blaikie's Dynamics, . . .	0 3 6	„	0 2 11
Knott's Physics, . . .	0 7 6	„	0 5 8
Peddie's Physics, . . .	0 7 6	„	0 5 8
Watson's Physics, . . .	0 10 6	„	0 8 0
Wilson's Notes on Physics, . . .	—	„	0 3 0
ANATOMY. —Cunningham's Text-Book of Anatomy, . . .	—	„	1 11 6
Gray's Anatomy, . . .	—	„	1 12 0
Gerrish's Anatomy, . . .	—	„	1 7 0
Quain's Anatomy, Vol. I. Pt. I., Embryology, . . .	0 9 0	„	0 6 9
„ Vol. I. Pt. II., General, . . .	0 12 6	„	0 9 6
„ Vol. II. Pt. I., Osteology, . . .	0 11 0	„	0 8 3
„ Vol. II. Pt. II., Myology, &c., . . .	0 16 0	„	0 12 0
„ Vol. III. Pt. I., Spinal Cord, . . .	0 12 6	„	0 9 6
„ Vol. III. Pt. II., The Nerves, . . .	0 9 0	„	0 6 9
„ Vol. III. Pt. III., The Senses, . . .	0 9 0	„	0 6 9
„ Vol. III. Pt. IV., Splanchnology, . . .	0 16 0	„	0 12 0
„ Appendix, . . .	0 6 6	„	0 5 0
PRACTICAL ANATOMY. —Heath's Anatomy, . . .	0 12 6	„	0 9 6
Cunningham's Anatomy, 2 vols., . . .	—	„	1 1 0
Ellis' Demonstrations, . . .	—	„	0 12 6
Holden's Osteology, . . .	0 16 0	„	0 12 0
Smith's Atlas of Anatomy, . . .	1 5 0	„	0 19 0
CHEMISTRY. —Dobbin and Marshall's Reactions of Salts, . . .	—	„	0 3 6
Dobbin and Walker's Chemical Theory, . . .	0 2 6	„	0 1 11
Dobbin's Arithmetical Exercises in Chemistry, . . .	—	„	0 1 0
Walker's Inorganic Chemistry, . . .	0 3 6	„	0 2 8
Wurtz's Elements of Modern Chemistry, . . .	0 10 6	„	0 8 0
Newth's Inorganic Chemistry, . . .	0 6 6	„	0 5 0
Cohen's Organic Chemistry, . . .	0 6 0	„	0 4 6
Roscoe's Chemistry, . . .	0 4 6	„	0 3 6

JAMES THIN, Bookseller and Publisher to the University.

ALEMBIC CLUB REPRINTS.

Crown Octavo. Cloth. Uniform.

May be purchased separately or in complete sets.

VOLUMES ALREADY PUBLISHED.

- No. 1.—EXPERIMENTS UPON MAGNESIA ALBA, QUICK-LIME, AND SOME OTHER ALCALINE SUBSTANCES.** By JOSEPH BLACK, M.D. 1755. 48 pp. Price 1s. 6d. net.
- No. 2.—FOUNDATIONS OF THE ATOMIC THEORY:** Comprising Papers and Extracts by JOHN DALTON, WILLIAM HYDE WOLLASTON, M.D., and THOMAS THOMSON, M.D. 1802-1808. 48 pp. Price 1s. 6d. net.
- No. 3.—EXPERIMENTS ON AIR.** Papers published in the Philosophical Transactions. By the Hon. HENRY CAVENDISH, F.R.S. 1784-1785. 52 pp. Price 1s. 6d. net.
- No. 4.—FOUNDATIONS OF THE MOLECULAR THEORY:** Comprising Papers and Extracts by JOHN DALTON, JOSEPH LOUIS GAY-LUSSAC, and AMEDEO AVOGADRO. 1808-811. 52 pp. Price 1s. 6d. net.
- No. 5.—EXTRACTS FROM MICROGRAPHIA.** By R. HOOKE, F.R.S. 1665. 52 pp. Price 1s. 6d. net.
- No. 6.—THE DECOMPOSITION OF THE ALKALIES AND ALKALINE EARTHS.** Papers published in the Philosophical Transactions. By HUMPHRY DAVY, Sec. R.S. 1807-1808. 52 pp. Price 1s. 6d. net.
- No. 7.—THE DISCOVERY OF OXYGEN. Part I.** Experiments by JOSEPH PRIESTLEY, LL.D. 1775. 56 pp. Price 1s. 6d. net.
- No. 8.—THE DISCOVERY OF OXYGEN. Part II.** Experiments by CARL WILHELM SCHEELE. 1777. 46 pp. Price 1s. 6d. net.
- No. 9.—THE ELEMENTARY NATURE OF CHLORINE.** Papers published in the Philosophical Transactions. By HUMPHRY DAVY, Sec. R.S. 1810-1818. 80 pp. Price 2s. net.
- No. 10.—RESEARCHES ON THE ARSENIATES, PHOSPHATES, AND MODIFICATIONS OF PHOSPHORIC ACID.** By THOMAS GRAHAM. 1833. 46 pp. Price 1s. 6d. net.
- No. 11.—ESSAYS OF JEAN REY, Doctor of Medicine, On an Enquiry into the Cause Wherefore Tin and Lead Increase in Weight on Calcination.** 1630. 54 pp. Price 1s. 6d. net.
- No. 12.—THE LIQUEFACTION OF GASES.** Papers by MICHAEL FARADAY, F.R.S. 1823-1845. With an Appendix. 80 pp. Price 2s. net.
- No. 13.—THE EARLY HISTORY OF CHLORINE.** Papers by CARL WILHELM SCHEELE, 1774; C. L. BERTHOLLET, 1785; GUYTON DE MORVEAU, 1787; JOSEPH LOUIS GAY-LUSSAC and L. J. THENARD. 1809. 50 pp. Price 1s. 6d. net.
- No. 14.—RESEARCHES ON THE MOLECULAR ASYMMETRY OF NATURAL ORGANIC PRODUCTS.** Lectures by LOUIS PASTEUR. 1860. 46 pp. Price 1s. 6d. net.
- No. 15.—THE ELECTROLYSIS OF ORGANIC COMPOUNDS.** Papers by HERMANN KOLBE. 1845-1868. 56 pp. Price 1s. 6d. net.

ALEMBIC CLUB REPRINTS—continued.

No. 16.—PAPERS ON ETHERIFICATION, AND ON THE CONSTITUTION OF SALTS. By ALEXANDER W. WILLIAMSON, LL.D., F.R.S. 1850-1856. 62 pp. Price 1s. 6d. net.

Postage of any of the above to any part of the World, 2d. each extra.

No. 17.—MEDICO-PHYSICAL WORKS OF JOHN MAYOW.

[In the Press.]

Also Published by the Alembic Club:

LECTURES ON THE HISTORY OF THE DEVELOPMENT OF CHEMISTRY SINCE THE TIME OF LAVOISIER. By Dr A. LADENBURG, Professor of Chemistry in the University of Breslau. Translated from the Second German Edition by LEONARD DOBBIN, Ph D.

Second Edition, Revised.

Cloth Svo, 375 pp. Price 6s. 6d. net; by post, 6s. 10d.

EDINBURGH: PUBLISHED FOR THE ALEMBIC CLUB

by

JAMES THIN, 55 SOUTH BRIDGE.

London Agents:

SIMPKIN, MARSHALL, HAMILTON, KENT & CO., LTD.

Diploma in Public Health.

A COMPLETE COURSE OF INSTRUCTION qualifying for EDINBURGH, CAMBRIDGE, GLASGOW, or DUBLIN, is given at the CHEMICAL LABORATORIES, SCHOOL OF MEDICINE, 4 LINDSAY PLACE, EDINBURGH.

CHEMICAL LABORATORY WORK by G. H. GEMMELL, F.I.C., F.C.S.
PRACTICAL BACTERIOLOGY, specially designed for Public Health Students, by J. TAYLOR GRANT, M.D., B.Sc. (Public Health), M.R.C.P.E.

OUT-DOOR SANITARY WORK by W. ROBERTSON, M.D., D.P.H., M.O.H. Leith.

Full information and advice from—

MR G. H. GEMMELL, F.I.C., F.C.S.,

Chemical Laboratory, School of Medicine,

4 LINDSAY PLACE,

EDINBURGH.

HERIOT-WATT COLLEGE, EDINBURGH.

Governors—THE GOVERNORS OF GEORGE HERIOT'S TRUST.

Chairman—THE RIGHT HON. THE LORD PROVOST.

Chairman of Heriot-Watt College Committee—BAILIE W. F. DOBIE.

Principal—A. P. LAURIE, M.A., D.Sc., F.R.S.E.

Professor of Mechanical Engineering—RICHARD STANFIELD, A.R.S.M.,
M.Inst.C.E., M.I.Mech.E., F.R.S.E.

Professor of Chemistry—JOHN GIBSON, Ph.D.

Prof. of Physics & Electrical Engineering—FRANCIS G. BAILY, M.A., M.I.E.E., F.R.S.E.

AND UPWARDS OF SEVENTY LECTURERS ON SPECIAL SUBJECTS.

DAY TECHNICAL COLLEGE.

Three years Courses of Instruction in—**MECHANICAL ENGINEERING,
ELECTRICAL ENGINEERING, TECHNICAL CHEMISTRY.**

The Classes for the Diploma in MECHANICAL and ELECTRICAL ENGINEERING are recognised by the UNIVERSITY OF EDINBURGH, and students wishing to obtain a B.Sc. in ENGINEERING as well as the Diploma can qualify for the Degree by taking *five additional Courses* in the University and passing the University Examinations.

The CHEMISTRY COURSE is designed to meet the wants of MANUFACTURING CHEMISTS. The instruction consists of courses in CHEMISTRY, PHYSICS, MATHEMATICS, ENGINEERING, and MECHANICAL DRAWING, with special courses in GAS, PAPER MANUFACTURE, BREWING, &c., by experts, in the third year. Special attention will be paid to ELECTRO-CHEMISTRY. Complete Courses of Instruction are also provided in TECHNICAL MYCOLOGY (INDUSTRIAL BACTERIOLOGY).

EVENING TECHNICAL COLLEGE.

SUBJECTS OF INSTRUCTION.

I. SCIENTIFIC AND TECHNICAL DEPARTMENT.

Arithmetic and Mathematics. Sound, Light, and Heat. Electricity and Magnetism. Electrical Engineering. Applied Mechanics. Graphic-statics. Mechanics of Structures. Prime Movers. Machine Construction and Drawing. Geometrical Drawing. Building Construction and Drawing. Surveying. Quantity Surveying. Handicraft.

Chemistry:—INORGANIC AND ORGANIC (each Class both Theoretical and Practical). Paper Manufacture, Gas Manufacture, Technical Mycology, Pharmaceutics. Mineralogy. Geology. Botany. Physiology and Hygiene. Sanitary Science and Practice. Municipal Engineering. Mining. Natural History. Mensuration. Watch and Clockmaking. Carpentry and Joinery. Masonry and Brickwork. Plumbers' Work. Cabinet-making. Painters' Work. Typography. Lithography. Photo-Process Methods, and their applications to Book Illustration. Book-binding. Wood Carving.

There are fully equipped Physical, Chemical, Photographic, Mechanical and Electrical Engineering Laboratories, and Workshops for working in wood and iron.

II. ART DEPARTMENT.

Freehand and Model Drawing, Perspective, Shading from the Cast, Design, Ornament, and Decoration, Modelling in Clay, Antique, Drawing from Life, Book Illustration.

III. LITERARY AND COMMERCIAL DEPARTMENT.

Algebra for Accountants. Actuarial Science. English Language and Composition. English Literature. French. German. Spanish. Latin and Greek. Elocution. Shorthand. Commercial Correspondence and Précis Writing. History. Economics. Industrial and Commercial Geography. Practice of Commerce. Commercial Law. Banking and Banking Law. Accounting and Insurance. Bookkeeping. Theory of Music.

EVENING CLASSES—The Class in each subject meets on one or two evenings a week. The Session commences in October. Matriculation Fee, 1s. Class Fees in most cases, 5s. each class. Full particulars are published early in August.

DAY CLASSES—Winter Session from October to end of April. Matriculation Fee, 5s.; Composition Fee for Engineering Courses, £12, 12s.; for Chemistry Courses, £12, 12s., £12, 12s., £15, 15s. Full particulars are published early in August.

A Summer Session for Workshop Practice, and for Laboratory Work in Engineering (Mechanical and Electrical), Physics, and Chemistry, commences in the middle of May, and lasts until the middle of July. The Workshops are open five days a week from 9 to 4, and the Laboratories five days a week from 9 to 4. Fee for Workshop or Laboratory Course, £2, 2s.

St George's Oral & Correspondence Classes

For University Examinations and the Direction
of Home Education.

THIRTY-SECOND SESSION, 1906-1907.

The Committee, in announcing the re-opening of their Oral and Correspondence Classes, beg to state that the instruction given will include preparation for

- (1) The Preliminary (Entrance) Examination of the Scottish Universities (Oral Classes open early in October; Correspondence preparation will be resumed towards the end of September: but Candidates may also enrol after the results of the October Examination are declared).
- (2) The L.L.A. Examination of St Andrews University (Correspondence tuition will be resumed in September).

The different subjects are entrusted to specialists, who hold high University distinctions, and have had long experience in Correspondence work.

Students who may not be Candidates for examination, but who desire guidance in private study, are admitted to all the Classes.

Full particulars may be had on application to the SECRETARY, 5 Melville Street, Edinburgh.

St George's High School for Girls.

This School for girls between the ages of seven and eighteen, is under the Management of the Committee of the St George's Classes. Prospectuses and further information on application to Miss M. R. WALKER, 5 Melville Street, Edinburgh.

St George's Training College for Women Teachers

IN SECONDARY AND HIGHER SCHOOLS, AND GOVERNESSES
IN PRIVATE FAMILIES.

This College provides a Course of Training in the THEORY, HISTORY, and PRACTICE OF EDUCATION.

The course, which lasts for nine months, includes attendance at the Class of Education in the University, and practice in class teaching. Students are prepared for the Edinburgh Schoolmasters' Diploma and for the Cambridge Teachers' Certificate Examination.

Two Bursaries of £30 each are offered to Graduates entering in October 1906.

Forms of Application for admission, and further particulars, may be obtained from the PRINCIPAL, Miss M. R. WALKER, 5 Melville Street, Edinburgh.

UNIVERSITY ENTRANCE & MEDICAL PRELIMINARY EXAMINATIONS.

MR J. D. CRAWFORD, M.A. (EDIN.),

Prepares Candidates for the Preliminary Examinations in Medicine ; Science and Arts ; General Knowledge ; Dental ; Veterinary and Pharmaceutical Preliminary ; Army ; and other Examinations in Day and Evening Classes.

PRIVATE TUITION—TERMS MODERATE.

RESULTS 1905.

Mr CRAWFORD has had passes in 119 “ subjects ” in Arts, Science, Medicine, and Law.

Prospectus, Terms, List of Successes, and References on Application.

**23 GEORGE IV. BRIDGE,
EDINBURGH.**

PUBLIC SPEAKING.

Mr J. C. NEWLANDS, Lecturer on ELOCUTION, NEW COLLEGE, HERIOT-WATT COLLEGE, and DUNFERMLINE CARNEGIE TRUST, will form Classes for University Students at—

42 NORTH BRIDGE STREET, EDINBURGH.

*Stammering pupils received in residence at
Linkfield House, Musselburgh.*

**VOICE PRODUCTION AND THE PHONETICS OF
DECLAMATION.** By J. C. NEWLANDS. 2s. 6d. net.

“The volume is one that may be recommended with perfect confidence to students of elocution.”—*Glasgow Evening News.*

GARDINER BROS., 14 Teviot Place,

Telephone 02912.

**University Stationers, Typists,
& Fountain Pen Specialists.**



**Students'
Requisites
and
Professional
Stationery.**

**Fountain Pens, Best Makers.
Pens Repaired, Separate Parts Kept.
Note Books, Special Series (Medical).
Physicians' a'c Forms, Ledgers, &c.
Testimonials Printed. MSS. Typed.**

FROM HERE, THERE, and EVERYWHERE.

After a viewing of the vast array of Makers' products, and a skilful choosing or rejecting,

THE CONSPICUOUS EXAMPLES
Stand forth awaiting your approval.

For your New Suit:—

There are Greens perfect in their shadings, wondrously blended Browns, Greys in chaste designs, and our New "Steadfast Blue" Serge in half a dozen different makes.

For Two Guineas or Three Guineas you command our service.

The "Clansman" 3 Guinea Suit is worthy of your consideration.

D. S. McDONALD & CO.,

Tailors to Everyone of Note,

51 & 52 SOUTH BRIDGE, EDINBURGH.

The Carman will let you off at the door.

J. C. STEWART,

Athletic Outfitter,
106 South Bridge, Edinburgh.

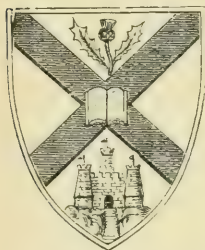
School, College, and Club Colours in
Jerseys, Blazers, Scarfs, Sashes, Caps,
Belts, Hat-Bands, and Badges.

BEST QUALITY. CORRECT SHADES.

NEW COLOURS DESIGNED. ESTIMATES FREE.

Athletic Outfitter to Edinburgh University
for over Half-a-Century.

TELEPHONE No. 857.



EDWARDS

University Hatter and Outfitter

FOR

STYLISH CAPS

DISTINCTIVE HATS

NOVELTY
NECKWEAR

NEGLIGÉ SHIRTS

ADDRESS—

27 GEORGE IV. BRIDGE, EDINBURGH

STARK BROTHERS

7, 8, and 9 South Bridge

TELEPHONE 1739

EDINBURGH

ESTABLISHED 1826

High-Class Clothiers, Hosiers, Hatters, & Shirt Makers
Pulpit, Bar, and University Robe Makers

LOUNGE SUIT	-	-	-	from	70/-
JACKET and VEST	-	-	-	„	45/-
TROUSERS	-	-	-	„	21 -
OVERCOATS	-	-	-	„	55/-
FULL DRESS SUIT	-	-	-	from	5 Guineas

GOWNS AND ROBES FOR HIRE OR PURCHASE

A large Assortment of all Requisites suitable
for Gentlemen at Moderate Prices

Agents for Cellular Aertex Shirts and Underwear
Dr Rasurel's Hygienic Underwear Specialities in
Wool and Peat

INSPECTION INVITED.

SPECIAL TERMS FOR CASH

STARK BROTHERS

SOUTH BRIDGE, EDINBURGH

AWARDS—Two Gold and One Silver Medal

THE EDINBURGH LIFE ASSURANCE COMPANY

FOUNDED 1823

Incorporated by Special Act of Parliament.

THE OLDEST SCOTTISH ASSURANCE COMPANY

transacting **Life Assurance, Endowment, and Annuity** Business alone—without Fire, Marine, or other risks—which affords the **Additional Security** of a Substantial Capital (£500,000) besides a large **Accumulated Assurance and Annuity Fund** now amounting to

£4,000,000.

President

THE MOST HON. THE MARQUIS OF BREADALBANE, K.G.

Vice-President

THE RIGHT HON. LORD LAMINGTON, G.C.M.G., G.C.I.E.

Directors

BENJAMIN HALL BLYTH, Esq., C.E.
JOHN RANKINE, Esq., LL.D., K.C.
M. MONTGOMERIE BELL, Esq., W.S.
SIR JAMES GUTHRIE, LL.D., P.R.S.A.
JAMES HOWDEN, Esq., C.A.

HAMILTON A. HOTSON, Esq., Banker.
THE HON. THE MASTER OF POLWARTH.
JAMES MYLNE, Esq., W.S.
SIR JOHN CHEYNE, LL.D., K.C.
WILLIAM MACGILLIVRAY, Esq., W.S.

Manager and Actuary

ARCHIBALD HEWAT, F.F.A., F.I.A.

Secretary

THOMAS M. GARDINER.

Assistant Secretary

A. E. SPRAGUE, D.Sc., F.F.A.

Medical Officer

J. O. AFFLECK, M.D.

Solicitors

MACKENZIE & KERMACK, W.S.

Auditor

J. A. M'LAREN, C.A.

EARLY PROVIDENT POLICIES FOR YOUNG PERSONS
STRONG FINANCIAL POSITION
NEXT DIVISION OF PROFITS as at 31st DEC. 1907

HEAD OFFICE—

22 GEORGE STREET, EDINBURGH.

GLASGOW: 126 St Vincent Street.

DUNDEE: 56 Commercial Street.

LONDON: 11 King William Street, E.C., and 174 Piccadilly, W.

Prospectus and Annual Report on application.

*From the Senatus Academicus of the University
of Edinburgh, who request the favour of
a Copy of your Calendar or other official
publication in exchange.*

THE EDINBURGH FOUNDED 1823 **LIFE** ASSURANCE COMPANY

Incorporated by Special Act of Parliament.

THE OLDEST SCOTTISH ASSURANCE COMPANY
transacting Life Assurance, Endowment, and Annuity Business

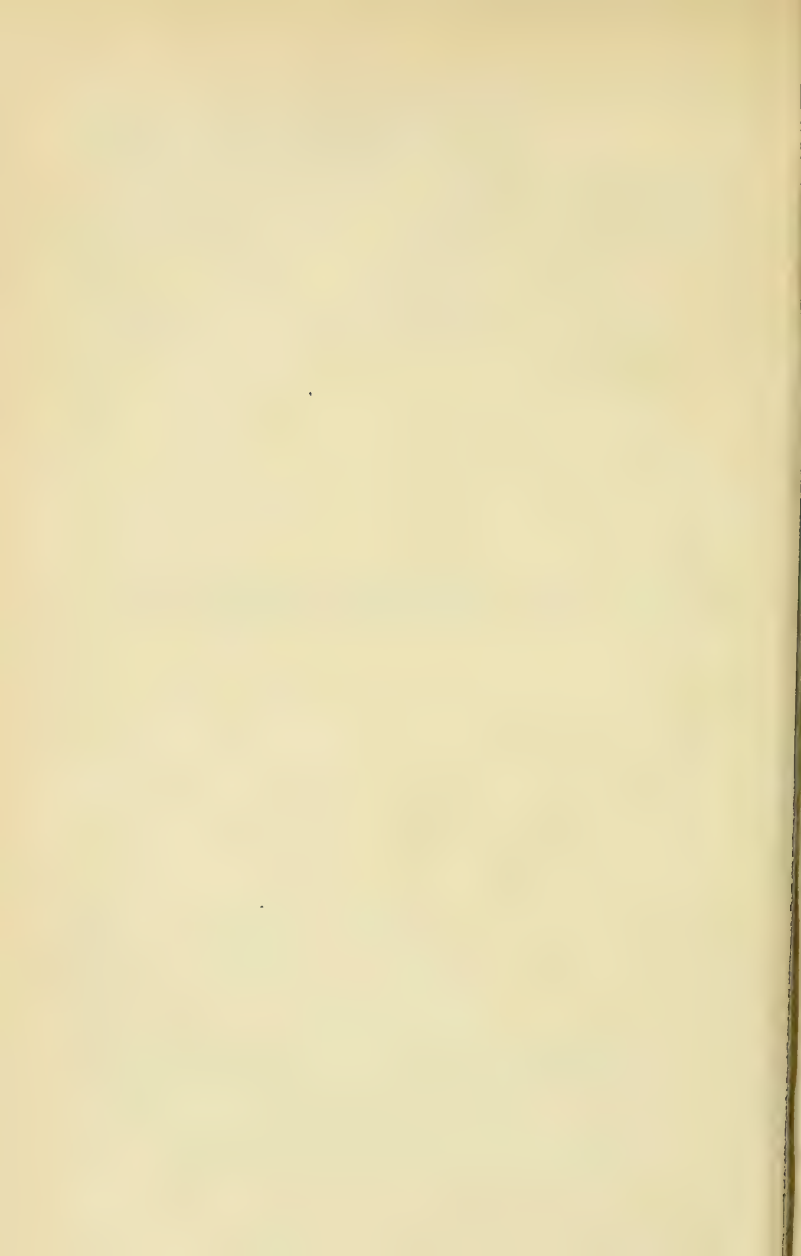
STRONG FINANCIAL POSITION
NEXT DIVISION OF PROFITS as at 31st DEC. 1907

HEAD OFFICE—
22 GEORGE STREET, EDINBURGH.

GLASGOW: 126 St Vincent Street. DUNDEE: 56 Commercial Street.
LONDON: 11 King William Street, E.C., and 174 Piccadilly, W.

Prospectus and Annual Report on application.

THE
EDINBURGH UNIVERSITY CALENDAR
1906-1907



THE
EDINBURGH
University Calendar

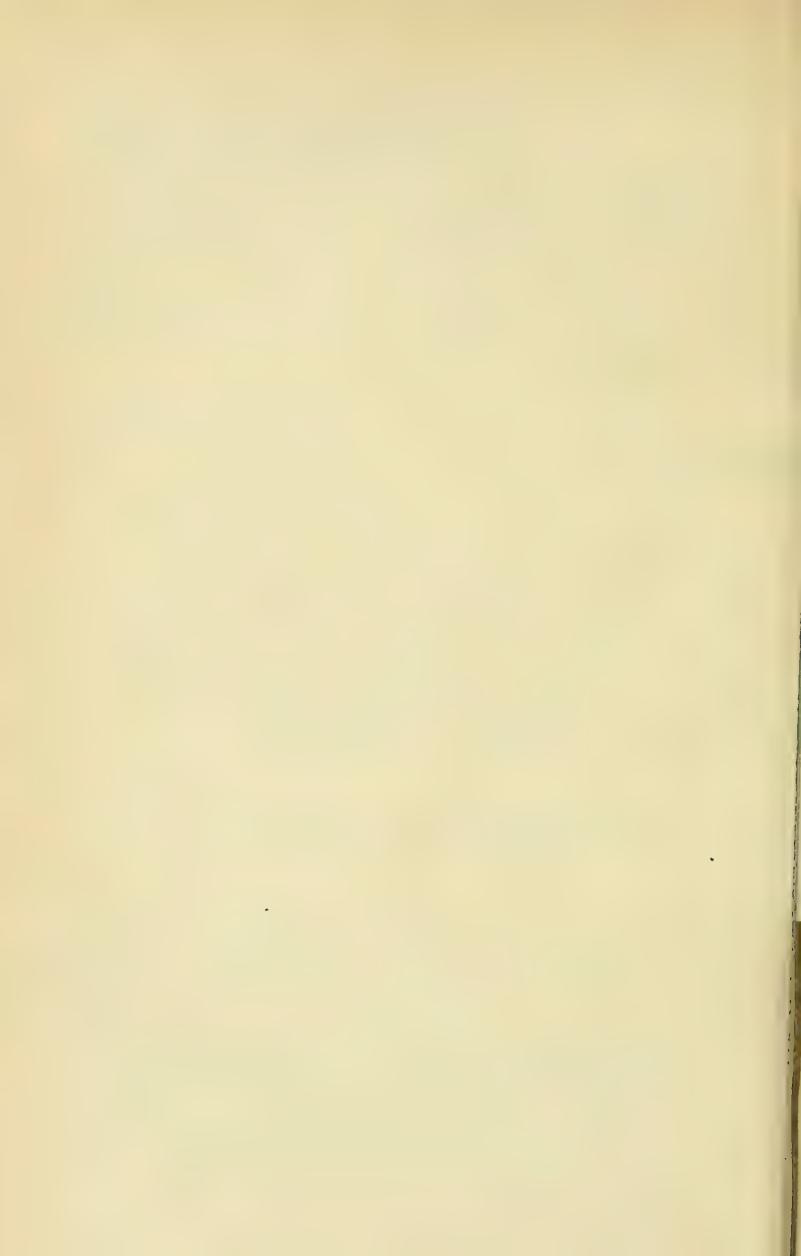
Owing to the lamented death of Mr GILBERT,
Clerk to the University, all communications
should be addressed to, and all remittances made
payable to, "THE SECRETARY of SENATUS,
THE UNIVERSITY, EDINBURGH."

EDINBURGH
Printed and Published for the University

BY JAMES THIN, 55 SOUTH BRIDGE

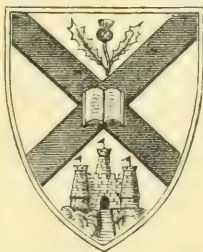
SOLD BY ALL BOOKSELLERS

MCMVI



Univ. Cal
E

THE
EDINBURGH
University Calendar
1906-1907



80365
18/9/56

EDINBURGH
Printed and Published for the University
BY JAMES THIN, 55 SOUTH BRIDGE
SOLD BY ALL BOOKSELLERS
MCMVI





P R E F A C E.



THE EDINBURGH UNIVERSITY CALENDAR
for the academic year (1st October to 1st October), published annually in June by authority of the Senatus Academicus, contains Synopses of the Courses of Lectures delivered by the Professors and Lecturers; Class Prize Lists; Regulations and Subjects of Examination for Degrees in Arts, Science, Divinity, Law, Medicine, and Music; Regulations for the Schoolmaster's Diploma; Regulations for Education in Military Subjects; Regulations for Diploma in Tropical Medicine and Hygiene; Regulations for Certificate in Tropical Diseases; Annual Graduation Lists; Bursaries, Prizes, Scholarships, Fellowships, and other Endowments of the University; Benefactions¹ to the University; Bequests and Donations in 1905-1906; a statement of the Annual Income and Expenditure of the University; an abstract of the proceedings of the University Court from 1st May 1905 to 1st May 1906; and a list of the University Societies.

¹ A full list of the chief Benefactors, with the purposes of their benefactions, is given at pages 602-618.

The CALENDAR is Published by JAMES THIN, Edinburgh, and may be had through any Bookseller. (Price 3s., by post 3s. 4d.)

The Preliminary and Degree Examination Papers, for the year, 1st May to 1st May, are published annually by Mr James Thin, Edinburgh, as follows :—

- 1. The Preliminary Examination Papers for Degrees in Arts, Science, Law (B.L.), and Music, and papers for First year Bursaries in Arts, &c., price 1s.*
- 2. The Preliminary Examination Papers for Degrees in Medicine, price 6d.*
- 3. The papers for Degrees in Arts (Honours and Ordinary Degree), price 1s.*
- 4. The papers for Degree of B.Sc., price 9d.*
- 5. The papers for Degree of B.D., price 6d.*
- 6. The papers for Degrees in Law, price 6d.*
- 7. The papers for Degrees in Medicine, price 6d.*
- 8. The papers for Degree of Mus.B., price 6d.*

Copy of the Register of the Members of the GENERAL COUNCIL is sold by the same Publisher. (Price 2s. 6d. ; by Inland Post, 2s. 11d. ; by Foreign or Colonial Post, 3s. 8d.)

UNIVERSITY OF EDINBURGH,

1st June 1906.

Contents.

	PAGE
THE CALENDAR	xv-xxix
CALENDAR FOR 1907-1908	xxx
NAMES AND ADDRESSES OF THE PRINCIPAL AND PROFESSORS	xxxi
NAMES AND ADDRESSES OF PROFESSORS EMERITI AND RE- SIGNED	xxxii
NAMES AND ADDRESSES OF UNIVERSITY LECTURERS	xxxiii
UNIVERSITY OFFICERS	i-10
THE UNIVERSITY—	
Constitution	11
Chancellor	12
Vice-Chancellor	12
Rector	12
Representative in Parliament	13
University Court	13
Universities Committee of Privy Council	16
Curators of Patronage	17
Representative in General Medical Council	17
Principal	18
Senatus Academicus	18
Faculties	19
Faculty of Arts	20
Faculty of Science	23
Faculty of Divinity	23
Faculty of Law	24
Faculty of Medicine	25
Faculty of Music	27
General Council of the University	27
Students' Representative Council	29
Matriculation	30
<i>Sponsio Academica</i>	31
Matriculated Students 1905-1906 (1st May to 1st May)	31
Non-Matriculated Extra-Academical Students (do.)	32
University Entrance Fee for Non-Matriculated Students	32
Discipline	33

	PAGE
University Examiners for Degrees	33
Graduation Ceremonials; Precedence	33
Academic Costume	33
REGULATIONS REGARDING—	
(1) Absence of Professors	34
(2) Absence of Lecturers	35
(3) Absence of Assistants	36
(4) Absence of Examiners	36
(5) Applications for Examinerships	37
(6) Opening of New Classes	37
(7) Recognition of Extra-Academical Teachers	37
UNIVERSITY BUILDINGS	39
(1) University (Old) Buildings	39
Dome	41
(2) University New Buildings	42
(3) M'Ewan Hall	43
(4) John Usher Institute of Public Health	44
(5) Engineering Department	45
(6) Reid School of Music	45
(7) University Union	46
UNIVERSITY LIBRARY	46
Library Committee	46
Regulations relative to General Management of the Library	48-55
Reading-Rooms	56
THEOLOGICAL LIBRARY	57
SELLAR AND GOODHART CLASSICAL LIBRARY	58
HONOURS PHILOSOPHICAL LIBRARY	58
HISTORY LIBRARY	58
PHYSIOLOGY LIBRARY	59
ASTRONOMY LIBRARY	59
HONOURS MODERN LANGUAGES LIBRARY	59
NATURAL PHILOSOPHY LIBRARY	59
ENGINEERING LIBRARY	60
MUSIC LIBRARY	60
PORTRAITS AND BUSTS	60
TORRIE FINE ART COLLECTION	62
MUSEUMS	62
ROYAL BOTANIC GARDEN, ARBORETUM AND MUSEUM	65
MILLPORT MARINE STATION	65

I. FACULTY OF ARTS.

PROGRAMME OF CLASSES, LABORATORIES, FEES, &C.	66-76
COURSES OF LECTURES	77-116
ADVICE TO STUDENTS	117

	PAGE
REGULATIONS FOR GRADUATION—	118
Preliminary Examinations	118
Ordinary Degree	121
Degree with Honours	122
Boards of Studies	125
Regulations regarding the Instruction and Examination of Women	127
Regulations for Special Study and Research, and for Research Fellows	129
Regulations for Higher Degrees in Arts and Science (D.Sc., D.Phil., and D.Litt.)	130-134
Fee and dates of entering for Preliminary Examinations	135
Time-Table for Preliminary Examinations	136
Fees and dates of entering for Examinations for M.A., &c.	138
Time-Table of Examinations for M.A.	140
Outline of Examinations for Ordinary Degree for 1906-1907	143
Outline of Examinations for Degree with Honours for 1907 and 1908	150
REGULATIONS FOR SCHOOLMASTER'S DIPLOMA	161
PAYMENT OF CLASS FEES BY CARNEGIE TRUST	164
APPOINTMENTS COMMITTEE	166
RESULT OF COMPETITIVE EXAM. FOR BURSARIES—HONOURS LIST, October 1905	167
HIGHER DEGREES IN ARTS CONFERRED	171
SPONSIO ACADEMICA	171
GRADUATES IN ARTS—HONOURS LISTS, 1889-1906	171
GRADUATES IN ARTS, 1905-1906	177
SCHOOLMASTER'S DIPLOMA CONFERRED, 1905-1906	179
BURSARIES, LIST OF	180
PRIZES	195
SCHOLARSHIPS	197
FELLOWSHIPS	210
DICKSON TRAVELLING FUND	212
MORAY ENDOWMENT FOR RESEARCH	212
CARNEGIE POST-GRADUATE SCHOLARSHIPS, &c.	213
FELLOWSHIPS, SCHOLARSHIPS, PRIZES, BURSARIES, &c., OPEN IN 1906-1907	214
FUNDS FOR SPECIAL STUDY AND RESEARCH	217
REGULATIONS FOR EDUCATION IN MILITARY SUBJECTS	228
Abstract of War Office Regulations	228
Regulations for Training in Military Subjects	233
Curriculum of the Military Lectures	234
Practical Field Training and Drill	235

II. FACULTY OF SCIENCE.

	PAGE
PROGRAMME OF CLASSES, &C.	238
LABORATORIES, &C.	245
COURSES OF LECTURES	247
REGULATIONS FOR GRADUATION—	284
PURE SCIENCE	284
Preliminary Examination	284
Boards of Studies	286
Regulations for B.Sc.	288
Regulations for D.Sc.	293
Regulations for Special Study and Research and for Research Fellows	294
Regulations for Graduation of Women	296
Outline of Subjects of Examinations in Pure Science	297
ENGINEERING	302
Regulations for B.Sc.	304
Regulations for D.Sc.	306
Outline of Subjects of Examination for B.Sc.	307
PUBLIC HEALTH	309
Regulations for B.Sc.	309
Schedules of the Subjects of Examination for B.Sc.	312
Regulations for D.Sc.	314
AGRICULTURE	315
Regulations for Graduation	315
Outline of Subjects of Examination for Degree	319
FEES FOR GRADUATION	322
TIME-TABLE OF EXAMINATIONS	323
LIST OF D.Sc.	327
GRADUATES IN SCIENCE, 1905-1906	329
FELLOWSHIPS, SCHOLARSHIPS, &C.	331
DICKSON TRAVELLING FUND	338
MORAY ENDOWMENT FOR RESEARCH	338
CARNEGIE POST-GRADUATE FELLOWSHIPS AND SCHOLAR- SHIPS	338
FELLOWSHIPS, SCHOLARSHIPS, &C., OPEN IN 1906-1907	339

III. FACULTY OF DIVINITY.

PROGRAMME OF CLASSES, &C.	343
CURRICULUM FOR MINISTRY IN THE CHURCH OF SCOTLAND	344
COURSES OF LECTURES	345
REGULATIONS FOR GRADUATION	350
OUTLINE OF SUBJECTS OF EXAMINATION, 1906-1907	351
FEES FOR EXAMINATIONS	352
TIME-TABLE OF EXAMINATIONS	352

	PAGE
GRADUATES IN DIVINITY (B.D.), 1905-1906 . . .	353
HONORARY DEGREE OF DOCTOR OF DIVINITY . . .	353
BURSARIES, PRIZES, SCHOLARSHIPS, &c. . . .	355
BURSARIES, PRIZES, SCHOLARSHIPS, &c., OPEN IN 1906-1907	305

IV. FACULTY OF LAW.

PROGRAMME OF CLASSES	369
COURSES OF LECTURES	370
REGULATIONS FOR GRADUATION—	377
Degree of Bachelor of Laws (LL.B.)	378
Degree of Bachelor of Law (B.L.)	379
Preliminary Examination for B.L.	381
Examinations for LL.B. and B.L.	381
Fees for LL.B. and B.L.	382
Time-Table of Examinations	383
LIST OF LL.B.	384
LIST OF B.L.	387
LIST OF DOCTOR OF LAWS (LL.D.)	388
BURSARIES	393
SCHOLARSHIPS, &c.	394
SCHOLARSHIPS, BURSARIES, PRIZES, &c., OPEN IN 1906-1907	398

V. FACULTY OF MEDICINE.

PROGRAMME OF CLASSES, &c.	400
LABORATORIES	407
COURSES OF LECTURES	411
REGULATIONS FOR GRADUATION—	435
Preliminary Examination	435, 450, 461, 471
Period and Course of Professional Education	436, 470
Professional Examinations for M.B. and Ch.B., &c.	443
Regulations for M.D.	445
Regulations for Ch.M.	447
Regulations for the Education and Graduation of Women	448
Time-Table of Preliminary Examination and Dates of	
Entering	450
REGISTRATION OF STUDENTS	452
ORDER OF STUDY RECOMMENDED	452
Regulations as to Class Examinations	454
Certificates of Attendance on Classes	454
Outline of Subjects for First Professional Examination	455
Honours at Professional Examinations	457
<i>Sponsio Academica</i> in Medicine	458
Regulations for Diploma in Tropical Medicine and Hygiene	458

	PAGE
Regulations for Special Certificate in Diseases of Tropical Climates	459
Fees for Examinations	460
Time-Table of Professional Examinations, &c.	461
Fees for Diploma in Tropical Medicine and Hygiene	464
Extra-Academical Teachers recognised by the University	465
Graduation under Old Regulations	469
Gold Medallists (M.D.)	473
Doctors of Medicine, 1905	475
Graduates (M.B., C.M.) with Honours	479
Graduates (M.B., Ch.B.) with Honours	482
Graduates (M.B., C.M.), 1905	484
Graduates (M.B., Ch.B.), 1905-1906	484
Certificates in Tropical Diseases awarded 1905-1906	488
FELLOWSHIPS, &c.	490
CARNEGIE SCHOLARSHIPS, &c., ...	492
DICKSON TRAVELLING FUND	492
HERIOT RESEARCH FELLOWSHIPS	492
MORAY ENDOWMENT FOR RESEARCH	492
SWINEY LECTURESHIP IN GEOLOGY	492
SCHOLARSHIPS	493
BURSARIES	501
PRIZES	505
FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, AND PRIZES, OPEN IN 1906-1907	509
VI. FACULTY OF MUSIC.	
COURSES OF LECTURES	513
HISTORICAL CONCERTS	514
REGULATIONS FOR DEGREES IN MUSIC	515
Preliminary Examination	515, 518
Bachelor of Music (Mus. B.)	516
Doctor of Music (Mus. D.)	517
Graduates (Mus. B.)	520
Honorary Doctors of Music (Mus. D.)	520
SCHOLARSHIP	520
Joint Board of Examiners for Preliminary Examination	521
Exams. exempting from Preliminary Examinations	525
CLASS PRIZE LISTS, 1905-1906	532
BENEFACTORS OF THE UNIVERSITY	602
APPEAL FOR FUNDS FOR UNIVERSITY PURPOSES	602
BEQUESTS AND DONATIONS in 1905-1906	616
ABSTRACT OF ACCOUNTS OF THE UNIVERSITY, 1905-1906	619
UNIVERSITY COURT—Abstract of Proceedings of, 1905-1906	630

APPENDIX.

MISCELLANEOUS.

	PAGE
I. DESCRIPTION OF ENGINEERING DEPARTMENT	641
II. SYLLABUS OF SUBJECTS OF EXAMINATION FOR STUDENTS OF DIVINITY OF THE CHURCH OF SCOTLAND	645
III. EDINBURGH UNIVERSITY UNION	646
IV. STATISTICS OF RECTORIAL ELECTIONS, 1859-1905	647
V. STATISTICS OF PARLIAMENTARY ELECTIONS, 1868- 1906	647
VI. EDINBURGH VACATION COURSES IN MODERN LANGUAGES	648
VII. ROYAL MEDICAL SOCIETY	648
VIII. FRANCO-SCOTTISH SOCIETY	648
IX. INTERNATIONAL ACADEMIC COMMITTEE	648
X. ASSOCIATION FOR THE BETTER ENDOWMENT OF THE UNIVERSITY	649
XI. UNIVERSITY SOCIETIES AND CLUBS	649
RESIDENCES AND BOARD—	
1. For Men Students	658
2. For Women Students	659
INDEX	660

The Calendar.

1906—OCTOBER, 31 DAYS.

1	M	Senatus Offices open throughout the year from 10 to 4, (Saturdays 10 to 1), except as afterwards stated. ANNUS ACADEMICUS begins. First day for payment of MATRICULATION fee. Practical Anatomy begins. BURSARY EXAM. begins on 27th September. See Time- Table, p. 136. PREL. EXAM. begins 28th September. See Time-Tables, pages 136, 324, 451.
2	Tu	Last day for names of Candidates for B.D. to be given in, Certificates examined, and Fees paid.
3	W	Last day for names of Candidates for Science Degree Examinations to be given in, Certificates examined, and Fees paid.
4	Th	Examinations for Degrees in Law begin. Names to be entered and Fees paid on or before 27th September. See Time-Table, page 383. Names of Candidates for First Year Law Bursaries to be given in on or before 22nd September. Examinations for Degrees in Arts, &c., begin. Names to be entered, Certificates examined, and Fees paid on or before 28th September. See Time-Table, page 140.
5	F	
6	Sa	
7	S	
8	M	
9	Tu	Examinations for B.D. begin. See Time-Table, page 352.

1906—OCTOBER—continued.

10	W	
11	Th	{ Examinations for Degrees in Science begin. See Time-Tables, pages 324 to 326.
12	F	
13	Sa	{ <i>Meeting of Senatus Academicus</i> at 11 A.M.; Standing Committees to be appointed.
14	S	
15	M	{ Oral Examinations in Law. Last day for entering Names for Second and Third Year Bursaries in Law. CLASSES IN FACULTY OF MUSIC OPEN.
		{ CLASSES IN THE FACULTIES OF ARTS, ^{AND} SCIENCE, DIVINITY, LAW, AND MEDICINE OPEN. Court of Session sits.
16	Tu	{ Library open during Winter Session from 10 to 4: Reading-Rooms in Old Buildings, from 10 to 4 and also 8 to 10: Saturdays 10 to 1. Reading-Room in New Buildings open from 9 to 5 and 8 to 10: Saturdays 9 to 12.
17	W	
18	Th	
19	F	
20	Sa	{ <i>A meeting of Senatus Academicus may be held at</i> 10 A.M. SPECIAL GRADUATION CEREMONIAL at 10.15.
21	S	
22	M	<i>Meeting of University Court at 4 P.M.</i>
23	Tu	
24	W	
25	Th	
26	F	{ <i>Meeting of General Council at 3.30 o'clock.</i> Examinations for Divinity Bursaries begin.
27	Sa	
28	S	
29	M	
30	Tu	
31	W	

1906—NOVEMBER, 30 DAYS.

1	Th	
2	F	
3	Sa	{ <i>Meeting of Senatus Academicus at 11 A.M.; (1) Senatus Budget; (2) Award of Bursaries; (3) Nominations for D.D. and LL.D. Degrees; (4) Report of Moray Endowment Committee.</i>
4	S	
5	M	
6	Tu	
7	W	
8	Th	
9	F	KING EDWARD VII. born 1841.
10	Sa	
11	S	Martinmas.
12	M	<i>Meeting of University Court at 4 P.M.</i>
13	Tu	
14	W	{ Certificates for Bursaries, &c., granted by Deans. Fellowships, Scholarships, Bursaries, paid by Factor.
15	Th	
16	F	
17	Sa	
18	S	
19	M	
20	Tu	
21	W	
22	Th	
23	F	
24	Sa	
25	S	
26	M	
27	Tu	
28	W	
29	Th	
30	F	{ Registration of Members of General Council for Register of 1907 ends.

1906—DECEMBER, 31 DAYS.

		QUEEN ALEXANDRA born, 1844. Last day for lodging Theses and for payment of Fees for D.Sc., D.Phil., and D.Litt. <i>Meeting of Senatus Academicus at 11 A.M. :—</i> (1) Election of Managers for Royal Infirmary. (2) Report to Widows' Fund. (3) Arrangements for Winter Session 1907-1908, and Summer Session, 1908.
1	Sa	
2	S	
3	M	
4	Tu	
5	W	
6	Th	
7	F	
8	Sa	
9	S	
10	M	
11	Tu	
12	W	
13	Th	
14	F	
15	Sa	
16	S	
17	M	<i>Meeting of University Court at 4 P.M.</i>
18	Tu	
19	W	
20	Th	Library, including Reading-Rooms at Old Buildings, open from 10 to 1 till 8th January: closed on Saturdays. Reading-Room, New Buildings, closed for same period. Classes meet for last time before Christmas Vacation. Senatus Offices open from 10 A.M. to 1 P.M. till 8th January: closed on Christmas, New Year's day, and Saturdays.
21	F	
22	Sa	
23	S	
24	M	
25	Tu	CHRISTMAS DAY.
26	W	
27	Th	
28	F	
29	Sa	
30	S	
31	M	

1907—JANUARY, 31 DAYS.

1	Tu	
2	W	
3	Th	
4	F	
5	Sa	
6	S	
7	M	
8	Tu	Classes meet after Christmas Vacation.
9	W	
10	Th	
11	F	<i>Meeting of Senatus Academicus at 11 A.M. :—</i> (1) Report of D.D. Committee to be presented. (2) Report of LL.D. Committee to be presented. (3) Report of Moray Endowment Committee.
12	Sa	
13	S	
14	M	<i>Meeting of University Court at 4 P.M.</i>
15	Tu	
16	W	Names of Candidates for Diploma in Tropical Medicine and Hygiene to be entered, Certificates shown, and Fees paid <i>on or before</i> this date.
17	Th	
18	F	
19	Sa	
20	S	
21	M	<i>Meeting of University Court for hearing Registration Appeals (if any) at 4 P.M.</i>
22	Tu	ACCESSION OF KING EDWARD VII., 1901.
23	W	
24	Th	
25	F	
26	Sa	
27	S	
28	M	
29	Tu	
30	W	
31	Th	

1907—FEBRUARY, 28 DAYS.

1	F	Candlemas.
		<i>Meeting of Senatus Academicus at 11 A.M. :—</i>
2	Sa	(1) Report of D.D. Committee to be moved.
		(2) Report of LL.D. Committee to be moved.
		(3) Resolution to Elect Member of General Assembly.
		(4) Annual Report on University Library
3	S	
4	M	
5	Tu	
6	W	
7	Th	
8	F	
9	Sa	
10	S	
11	M	Holiday in Faculty of Arts.
12	Tu	
13	W	
14	Th	
15	F	
16	Sa	
17	S	
18	M	<i>Meeting of University Court at 4 P.M.</i>
19	Tu	
20	W	(Names of Candidates for Exam. in Agricultural Entomology to be given in, and Fees paid.
21	Th	
22	F	
23	Sa	Examination in Agricultural Entomology.
24	S	
25	M	
26	Tu	
27	W	
28	Th	

1907—MARCH, 31 DAYS.

1	F	{ Last day for Names for Preliminary Examinations to be given in and Fees paid. Last day for Names of Candidates for Degrees in Law to be given in and Fees paid.
2	Sa	{ <i>Meeting of Senatus Academicus at 11 A.M. :—</i> (1) Appoint Member of Assembly. (2) Appoint Representatives on University Field Committee.
3	S	
4	M	{ Last day for Names of Candidates for Degrees in Arts, for Schoolmaster's Diploma, and for B.L. Preliminary on M.A. Standard, to be given in, and Fees paid. <i>The Regulations as to late entries for Examination in Chemistry, Botany, and Zoology, for Degrees in Arts and Science, are the same as in the Faculty of Medicine.</i>
5	Tu	
6	W	{ Names to be given in and Fees paid for Science Examinations on or before this date.
7	Th	
8	F	
9	Sa	
10	S	KING EDWARD VII. married, 1863.
11	M	{ Examinations for M.A., and for Degrees in Law begin. See Time-Tables, pages 141 and 383.
12	Tu	
13	W	
14	Th	{ Last day for Names of Candidates for the First Professional Examination in Medicine to be given in and Fees paid. Final Science Examinations begin. See Time-Table, page 325.
15	F	{ Last day for Names of Candidates for Scholarships in Arts and Science to be intimated. Applications for Grants from Dickson Travelling Fund to be lodged. Last day for Names for Examinations for Degrees in Music to be given in, Certificates examined, and Fees paid. CLASSES IN FACULTY OF DIVINITY CLOSE.
16	Sa	CLASSES IN FACULTY OF LAW CLOSE.
17	S	
18	M	{ <i>Meeting of University Court at 4 P.M.</i> Oral Examinations in Law.

1907—MARCH—continued.

- | | | |
|----|----|--|
| 19 | Tu | { Last day for Names for Examinations in Divinity to be given in, Certificates examined, and Fees paid. |
| 20 | W | { Last day for Names for Second Professional Examination in Medicine to be given in, and Fees paid. |
| 21 | Th | Classes in Faculty of Music close. |
| 22 | F | { Certificates for First Professional and Science Degrees Examinations to be examined from 10 to 3.
CLASSES IN FACULTY OF MEDICINE CLOSE. |
| 23 | Sa | { Certificates for Second Professional Examination to be examined from 10 to 1. |
| 24 | S | { Last day for Names for Third Professional Examination in Medicine to be given in, and Fees paid.
First Professional Written Examination in Medicine, 1st B.Sc. Examinations, and Science Subjects for M.A. begin. See Time-Tables, pages 141, 325, 462.
Examinations for Degrees in Music begin. See Time-Table, page 519. |
| 25 | M | { |
| 26 | Tu | { Certificates for Third Professional Examination to be examined from 10 to 1.
B.D. Examinations begin. See Time-Table, page 352. |
| 27 | W | { Second Professional Examinations begin. See Time-Table, page 462. |
| 28 | Th | { Third Professional Examination. See Time-Table, page 463.
CLASSES IN THE FACULTIES OF ARTS AND SCIENCE CLOSE.
Certificates for M.A. Examinations in April to be examined before 4 P.M. |
| 29 | F | { GOOD FRIDAY. HOLIDAY.
Examinations for M.A. with Honours begin. See Time-Table, page 141.
Preliminary Examinations begin. See Time-Table, pages 137, 324, 451. |
| 30 | Sa | { <i>Meeting of Senatus Academicus at 11 A.M.</i>
Grants from William Dickson Travelling Fund. |
| 31 | S | EASTER SUNDAY. |

1907—APRIL, 30 DAYS.

1	M	
2	Tu	
3	W	
4	Th	
5	F	
6	Sa	
7	S	
8	M	
9	Tu	Class of Operative Surgery opens.
10	W	
11	Th	<i>A meeting of Senatus Academicus may be held.</i> GRADUATION CEREMONIAL IN DIVINITY, LAW, ARTS, AND SCIENCE, IN M'EWAN HALL, AT 10 A.M. COMMEMORATION SERVICE IN ST GILES'S AT 12. Senatus Offices open from 10 to 1 till 1st May: closed on Saturdays.
12	F	
13	Sa	
14	S	<i>Meeting of University Court at 4 P.M.</i> Inspection of Library. All books to be returned before this date. Library closed for lending till 22nd inst. Reading-Room, New Buildings, open from 10 A.M. to 1 P.M. till 23rd April: closed on Saturday. EDINBURGH HOLIDAY.
15	M	
16	Tu	
17	W	
18	Th	Names of Candidates for Final Exam. in Medicine to be given in, and Fees paid.
19	F	
20	Sa	
21	S	
22	M	
23	Tu	
24	W	Certificates for Final Professional Examination to be examined from 10 to 1.
25	Th	
26	F	Do. Do.
27	Sa	
28	S	
29	M	
30	Tu	Last day for lodging Theses for M.D. and for Ch.M.

1907—MAY, 31 DAYS.

		SUMMER SESSION OPENS.
		<i>Meeting of University General Council at 3.30 P.M.</i>
1	W	Library and Reading-Rooms in Old Buildings open from 10 to 3 during Summer Session : Saturdays 10 to 1. Reading-Room in New Buildings open from 9 to 5 and 8 to 10 : Saturdays 9 to 12.
2	Th	
3	F	Clinical Medicine Examination begins.
4	Sa	
5	S	
6	M	
7	Tu	
8	W	
9	Th	
10	F	<i>Meeting of Senatus Academicus at 2 P.M.</i> Report of Moray Endowment Committee.
11	Sa	
12	S	
13	M	<i>Meeting of University Court at 4 P.M.</i>
14	Tu	
15	W	Whitsunday.
16	Th	LAW CLASSES OPEN.
17	F	
18	Sa	Fellowships, Scholarships, Bursaries paid by Factor.
19	S	
20	M	
21	Tu	Victoria Day. General Assembly meets. HOLIDAY.
22	W	
23	Th	
24	F	Clinical Surgery Exams. begin.
25	Sa	
26	S	Princess of Wales born, 1867.
27	M	
28	Tu	
29	W	
30	Th	
31	F	

1907—JUNE, 30 DAYS.

1	Sa	
2	S	
3	M	{ Prince of Wales born 1865. Last day for Names of Candidates for Public Health Final Sc. Examination to be given in, and Fees paid.
4	Tu	
5	W	
6	Th	
7	F	<i>Meeting of Senatus Academicus at 2 P.M.</i>
8	Sa	Examinations for Degree of B.Sc. in Public Health begin.
9	S	
10	M	{ Final Prof. Written Exam. begins. See Time-Table, page 463.
11	Tu	
12	W	
13	Th	
14	F	{ Last day for Names to be entered and Fees paid for Candidates for Clinical Examinations <i>only</i> for M.D. and for Ch.M.
15	Sa	
16	S	
17	M	<i>Meeting of University Court at 4 P.M.</i>
18	Tu	
19	W	
20	Th	
21	F	
22	Sa	
23	S	
24	M	Midsummer Day
25	Tu	
26	W	
27	Th	
28	F	{ Clinical Medicine Examination for M.D. begins at 9.45 A.M. Examination for Ch.M. begins.
29	Sa	
30	S	

1907—JULY, 31 DAYS.

1	M	
2	Tu	
3	W	
4	Th	{ Last day for names for Science Examinations to be entered, and Fees paid. <i>The Regulations of the Faculty of Medicine as to late entry fees apply to all entries for Chemistry, Botany, and Zoology.</i>
5	F	{ <i>Meeting of Senatus Academicus at 2 P.M.</i> Last day for Names of Candidates for First Professional Examination in Medicine to be given in, and Fees paid.
6	Sa	Prince of Wales married, 1893.
7	S	
8	M	
9	Tu	
10	W	
11	Th	{ Last day for Names of Candidates for Degrees in Arts to be given in and Fees paid. <i>The Regulations of the Faculty of Medicine as to late entry fees apply to all entries for Chemistry.</i> Names of Candidates for Diploma in Tropical Medicine and Hygiene to be entered, Certificates shown, and Fees paid <i>on or before</i> this date.
12	F	{ Last day for Names of Candidates for Second Professional Examination to be given in, and Fees paid.
13	Sa	
14	S	
15	M	<i>Meeting of University Court at 4 P.M.</i>

1907—JULY—*continued.*

16	Tu	
17	W	{ SUMMER SESSION ENDS. Certificates for Arts, Science, and First Professional Examinations to be examined.
18	Th	{ Written Examinations for Degrees in Arts (Dept. of Science), for Degrees in Science, and First Professional Examination in Medicine begin. See Time-Tables, pages 142, 325, 462.
19	F	{ Names of Candidates for Third Professional Examination in Medicine to be given in and Fees paid.
20	Sa	{ Certificates for Second Professional Examination to be examined from 10 to 1.
21	S	
22	M	{ Second Professional Examination in Medicine begins. See Time-Table, page 463.
23	Tu	{ Certificates for Third Professional Examination to be examined.
24	W	{ Third Professional Examination. See Time-Table, page 463.
25	Th	{ <i>Meeting of Senatus Academicus at 2 P.M.</i> Candidates for Degrees to be reported.
26	F	{ GRADUATION CEREMONIAL IN MEDICINE, SCIENCE, &c., AT 10 a.m. Senatus Offices open from 10 to 1 till 1st October: closed on Saturdays.
27	Sa	
28	S	
29	M	
30	Tu	
31	W	

1907—AUGUST, 31 DAYS.

1	Th	LAMMAS. Library and Reading-Rooms in Old Buildings open from 10 to 1 till 2nd September : closed on Saturdays Reading-Room, New Buildings, closed during same period.
2	F	
3	Sa	
4	S	
5	M	
6	Tu	
7	W	
8	Th	
9	F	CORONATION DAY.
10	Sa	
11	S	
12	M	
13	Tu	
14	W	
15	Th	
16	F	
17	Sa	
18	S	
19	M	
20	Tu	
21	W	
22	Th	
23	F	
24	Sa	
25	S	
26	M	
27	Tu	
28	W	
29	Th	
30	F	
31	Sa	

1907—SEPTEMBER, 30 DAYS.

1	S
2	M
3	Tu
4	W
5	Th
6	F
7	Sa
8	S
9	M
10	Tu
11	W
12	Th
13	F
14	Sa
15	S
16	M
17	Tu
18	W
19	Th
20	F
21	Sa
22	S
23	M
24	Tu
25	W
26	Th
27	F
28	Sa
29	S
30	M

Library and Reading-Rooms in Old Buildings open from 10 to 3: Saturdays 10 to 1. Reading-Room, New Buildings, open from 10 to 1: closed on Saturdays.

EDINBURGH HOLIDAY.

Calendar for the Academic Year 1907-1908.

OCTOBER 1907.

S 6 13 20 27
M 7 14 21 28
Tu 1 8 15 22 29
W 2 9 16 23 30
Th 3 10 17 24 31
Fr 4 11 18 25
Sa 5 12 19 26

NOVEMBER 1907.

S 3 10 17 24
M 4 11¹ 18 25
Tu 5 12 19 26
W 6 13 20 27
Th 7 14 21 28
Fr 1 8 15 22 29
Sa 2 9 16 23 30

DECEMBER 1907.

S 1 8 15 22 29
M 2 9 16 23 30
Tu 3 10 17 24 31
W 4 11 18 25²
Th 5 12 19 26
Fr 6 13 20 27
Sa 7 14 21 28

JANUARY 1908.

S 5 12 19 26
M 6 13 20 27
Tu 7 14 21 28
W 1 8 15 22 29
Th 2 9 16 23 30
Fr 3 10 17 24 31
Sa 4 11 18 25

FEBRUARY 1908.

S 2 9 16 23
M 3 10³ 17 24
Tu 4 11 18 25
W 5 12 19 26
Th 6 13 20 27
Fr 7 14 21 28
Sa 1 8 15 22 29

MARCH 1908.

S 1 8 15 22 29
M 2 9 16 23 30
Tu 3 10 17 24 31
W 4 11 18 25
Th 5 12 19 26
Fr 6 13 20 27
Sa 7 14 21 28

APRIL 1908.

S 5 12 19 26
M 6 13 20⁵ 27
Tu 7 14 21 28
W 1 8 15 22 29
Th 2 9 16 23 30
Fr 3 10 17⁴ 24
Sa 4 11 18 25

MAY 1908.

S 3 10 17 24 31
M 4 11 18 25
Tu 5 12 19⁷ 26
W 6 13 20 27
Th 7 14 21 28
Fr 1 8 15⁶ 22 29
Sa 2 9 16 23 30

JUNE 1908.

S 7 14 21 28
M 1 8 15 22 29
Tu 2 9 16 23 30
W 3 10 17 24
Th 4 11 18 25
Fr 5 12 19 26
Sa 6 13 20 27

JULY 1908.

S 5 12 19 26
M 6 13 20 27
Tu 7 14 21 28
W 1 8 15 22 29
Th 2 9 16 23 30
Fr 3 10 17 24 31
Sa 4 11 18 25

AUGUST 1908.

S 2 9 16 23 30
M 3 10 17 24 31
Tu 4 11 18 25
W 5 12 19 26
Th 6 13 20 27
Fr 7 14 21 28
Sa 1 8 15 22 29

SEPTEMBER 1908.

S 6 13 20 27
M 7 14 21⁵ 28
Tu 1 8 15 22 29
W 2 9 16 23 30
Th 3 10 17 24
Fr 4 11 18 25
Sa 5 12 19 26

¹ Martinmas Term. ² Christmas. ³ Holiday in Faculty of Arts. ⁴ Good Friday.
⁵ Edinburgh Holiday. ⁶ Whitsunday Term. ⁷ Victoria Day. Holiday.

ADDRESSES OF THE PRINCIPAL, PROFESSORS,
EMERITI AND RESIGNED PROFESSORS, AND
UNIVERSITY LECTURERS

I.—PRINCIPAL AND PROFESSORS.

Principal Sir William Turner, 6 Eton Terrace.

Professor Annandale, 34 Charlotte Square.

„ Bayley Balfour, Inverleith House.

„ Hudson Beare, 10 Regent Terrace.

„ Baldwin Brown, 50 George Square.

„ Crum Brown, 8 Belgrave Crescent.

„ Hume Brown, 20 Corrennie Gardens.

„ Chiene, 26 Charlotte Square.

„ Chrystal, 5 Belgrave Crescent.

„ Cunningham, 18 Grosvenor Crescent.

„ Darroch, 12 Abbotsford Park.

„ Dyson, Royal Observatory, Blackford Hill.

„ Eggeling, Brunstane House, Joppa, Midlothian.

„ Ewart, Duddingston House, Duddingston.

„ Sir Thomas R. Fraser, 13 Drumsheugh Gardens.

„ Geikie, Kilmorrie, Colinton Road.

„ Sir Ludovic J. Grant, Bart., 4 Belgrave Crescent.

„ Greenfield, 7 Heriot Row.

„ Hardie, 4 Chalmers Crescent.

„ Kennedy, 33 Fountainhall Road.

„ Kirkpatrick, 21 Succoth Place, Murrayfield.

„ Harvey Littlejohn, 1 Atholl Crescent.

„ Lodge, 25 Hope Terrace.

„ MacGregor, 24 Dalrymple Crescent.

„ Mackinnon, 15 Corrennie Gardens.

„ Mackintosh, 2 Drummond Place.

„ Mair, 9 Corrennie Drive.

„ Mounsey, 24 Glencairn Crescent.

„ Nicholson, 3 Belford Park.

„ Niecks, 24 Dick Place.

„ Paterson, 3 Royal Terrace

Professor Patrick, 6 Dick Place.

- „ Pringle Pattison, 16 Church Hill.
- „ Rankine, 23 Ainslie Place.
- „ Saintsbury, 2 Eton Terrace.
- „ Schäfer, North Berwick.
- „ Seth, 3 Queen's Crescent.
- „ Hunter Stewart, 9 Learmonth Gardens.
- „ Taylor, 6 Greenhill Park.
- „ Wallace, 21 East Claremont Street.
- „ Wyllie, 44 Charlotte Square.

II.—PROFESSORS EMERITI.

- Samuel Henry Butcher, LL.D., Litt.D., M.P. (formerly Professor of Greek), 6 Tavistock Square, Bloomsbury, London.
- Archibald Hamilton Charteris, D.D. (formerly Professor of Biblical Criticism and Biblical Antiquities), Kingswood, Peebles.
- Robert Flint, D.D., LL.D. (formerly Professor of Divinity), 1 Mountjoy Terrace, Musselburgh.
- Alexander Campbell Fraser, Fellow of British Academy, D.C.L., LL.D., Litt. D. (formerly Professor of Logic and Metaphysics), Gorton, Hawthornden, Midlothian.
- Simon Somerville Laurie, LL.D. (formerly Professor of Education), 22 George Square, Edinburgh.
- Alexander Russell Simpson, M.D., D.Sc., LL.D. (formerly Professor of Midwifery), 52 Queen Street, Edinburgh.
- Norman Macpherson, LL.D. (formerly Professor of Scots Law), 6 Buckingham Terrace, Edinburgh.
- David Masson, LL.D. (formerly Professor of Rhetoric and English Literature), 2 Lockharton Gardens, Edinburgh.
- Sir William Turner, K.C.B., D.C.L., LL.D., &c., &c. (formerly Professor of Anatomy), 6 Eton Terrace, Edinburgh.

III.—PROFESSORS RESIGNED.

- Theodor Aufrecht, M.A., LL.D., Ph.D. (formerly Professor of Sanskrit), Bonn.

- Sir Archibald Geikie, LL.D. (formerly Professor of Geology),
10 Chester Terrace, Regent's Park, London.
- Henry Goudy, LL.D. (formerly Professor of Civil Law), now
Professor of Civil Law, University, Oxford.
- Right Hon. Lord Lister, LL.D., M.D. (formerly Professor of
Clinical Surgery), 12 Park Crescent, Portland Place,
London, W.
- Sir Henry David Littlejohn, M.D., LL.D. (formerly Professor of
Medical Jurisprudence), 24 Royal Circus, Edinburgh.
- Æneas James George Mackay, LL.D., Advocate (formerly
Professor of History), 7 Albyn Place, Edinburgh.
- George Walter Prothero, LL.D., Editor of *The Quarterly
Review* (formerly Professor of History), 24 Bedford
Square, London, W.C.

IV.—UNIVERSITY LECTURERS.

- James O. Affleck, M.D., 38 Heriot Row.
- Alfred R. Ainsworth, B.A., 11 Buccleuch Place.
- J. H. Ashworth, D.Sc., University.
- Colonel F. Bailey, R.E., 7 Drummond Place.
- Henry Barker, M.A., Cairnmuir Road, Corstorphine.
- J. Beard, D.Sc., Ph.D., 8 Barnton Terrace.
- James Martin Beattie, M.B., C.M., 38 Warrender Park Road.
- A. W. Borthwick, D.Sc., Royal Botanic Garden.
- Robert Campbell, M.A., 15 Warrender Park Terrace.
- Archibald Brown Clark, M.A., 16 Comely Bank Street.
- Thomas S. Clouston, M.D., Tipperlinn House, Morningside
Place.
- Andrew Davidson, M.D., 11 Morningside Place.
- Leonard Dobbin, Ph.D., 6 Wilton Road.
- William Fream, LL.D., B.Sc., The Vinery, Downton, Salis-
bury.
- Jacob Halm, Ph.D., Royal Observatory, Blackford Hill.
- Robert P. Hardie, M.A., 13 Palmerston Road.
- John Harvey, B.A., LL.B., 22 Stafford Street.
- David Playfair Heatley, West Mains House, Mayfield.
- Percy T. Herring, M.D., Physiological Department, University.

- Ellice Martin Horsburgh, M.A., B.Sc., The University.
William Allan Jamieson, M.D., 35 Charlotte Square.
Robert M'Kenzie Johnston, M.D., C.M., 2 Drumsheugh Gardens.
Capt. Henry Melvill Johnstone, R.E., Somnerfield Lodge,
Haddington.
Claude B. Ker, M.D., City Hospital, Colinton Mains.
Walter Hume Kerr, M.A., B.Sc., Ferniehurst, Juniper Green.
Cargill G. Knott, M.A., D.Sc., 42 Upper Gray Street.
Emeritus Professor Laurie, 23 George Square (Gifford
Lecturer in Natural Theology).
Thomas D. Luke, M.B., 95 Shandwick Place.
George Mackay, M.D., 20 Drumsheugh Gardens.
Francis H. A. Marshall, M.A., D.Sc., 46 Strathearn Road.
Hugh Marshall, D.Sc., F.R.S., 12 Lonsdale Terrace.
James Mill, M.A., 4 Bellevue Terrace.
John Hepburn Millar, B.A., LL.B., 10 Abercromby Place.
Thomas Monck Burn Murdoch, M.B., 14 Charlotte Square.
William Peddie, D.Sc., 14 Ramsay Garden.
Charles Sarolea, Ph.D., D.Litt., l'Ermitage, Colinton, Edinburgh.
Otto Schlapp, Ph.D., Tusculum House, Fisherrow, Mussel-
burgh.
William Cameron Sillar, M.B., B.Sc., 46 George Square.
Sutherland Simpson, M.D., Seaview House, Musselburgh.
G. H. Stevenson, M.A., 21 Warrender Park Terrace.
Harold Jalland Stiles, M.B., C.M., 8 St Colme Street.
William White Taylor, M.A., D.Sc., 37 Upper Gray Street.
Charles Tweedie, M.A., B.Sc., University.
David Waterston, M.A., M.D., 23 Colinton Road.
Joseph Henry MacLagan Wedderburn, M.A., The University.
A. Blyth Webster, M.A., 22 Corrennie Gardens.
Philip F. Wood, M.A., B.C.L., LL.B., 21 Ainslie Place.

University Officers.

Date of Institution.	Chancellor.	Appointed
1859.	RIGHT HON. ARTHUR JAMES BALFOUR, M.P., D.C.L., LL.D.	1891

Vice-Chancellor.

1859.	PRINCIPAL SIR WILLIAM TURNER, K.C.B., D.C.L., LL.D., D.Sc., M.B., &c.	1903
-------	---	------

Rector.

1859.	RIGHT HON. RICHARD BURDON HALDANE, K.C., M.P., M.A., LL.D., &c.	1905
-------	---	------

Principal.

1852.	SIR WILLIAM TURNER, K.C.B., D.C.L., LL.D., D.Sc., M.B., &c.	1903
-------	---	------

Representative in Parliament.

1868.	SIR JOHN BATTY TUKE, M.D., D.Sc., LL.D.	1900
-------	--	------

University Court.

President—THE RECTOR, *Ex officio*.

THE PRINCIPAL	<i>Ex officio</i> .	
RIGHT HON. THE LORD PROVOST of Edinburgh.....	<i>Ex officio</i> .	
HON. LORD STORMONTH DAR- LING, LL.D.	Assessor nominated by Chancellor.....	1901
HON. LORD DUNDAS.....	Do. do. Rector	1905
ROBERT MENZIES, S.S.C.....	Do. elected by Town Council....	1905
JOSEPH BELL, M.D.....	Do. elected by General Council	1895
DAVID FOWLER LOWE, M.A. , LL.D.	Do. do. do.	1903
J. CAMPBELL LORIMER, M.A., LL.B.....	Do. do. do.	1901
R. M'KENZIE JOHNSTON, M.D.	Do. do. do.	1903
PROFESSOR ALEXANDER CRUM BROWN, M.A., M.D., D.Sc., LL.D.	Do. elected by Senatus.....	1889
PROFESSOR JOHN RANKINE, K.C., M.A., LL.D.....	Do. do. do.	1901
PROFESSOR SIR THOMAS R. FRASER, M.D., LL.D.....	Do. do. do.	1903
PROFESSOR PRINGLE PATTISON, M.A., LL.D.	Do. do. do.	1903

Secretary—PROFESSOR TAYLOR, D.D.

Factor and Law Agent—Sir HENRY COOK, W.S.

Auditor—C. E. W. MACPHERSON, C.A.

Clerk—THOMAS GILBERT.

Assistant Clerk—JAMES DOWIE.

Secretary's Clerk—GEORGE CAMPBELL.

Curators of Patronage.

				Appointed.
PRINCIPAL SIR WILLIAM TURNER,	}	Elected by University Court....		1906
K. C. B., D. C. L., M. B., LL. D.....				
THE HON. LORD STORMONTH	}	Elected by	do.	1900
DARLING.....				
THE HON. LORD DUNDAS.....		Elected by	do.	1902
RIGHT HON. THE LORD PROVOST..		Elected by Town Council		1901
SIR ANDREW M'DONALD.....		Elected by	do.	1900
TREASURER BROWN.....		Elected by	do.	1903
COUNCILLOR CLARK.....		Elected by	do.	1904
Secretary —R. HERBERT JOHNSTON, W.S., 4 Albyn Place.				

Senatus Academicus.**President**—THE PRINCIPAL.**Secretary**—Professor Sir LUDOVIC J. GRANT, Bart., B.A., LL. D.**FACULTY OF ARTS.****Dean**—Professor CHRYSTAL, M.A., LL.D.

Date of	Institution.	Chairs.	Professors.	Appointed.	Patrons.
1760	Rhetoric and English Literature		GEO. SAINTSBURY, M.A., LL.D.	1895	Crown.
1583	Humanity		WILLIAM ROSS HARDIE, M.A.	1895	{ Lds. of Ses., Cur., Fac. of Adv., and W.S. Soc. ¹
1583	Greek		ALEXANDER WILLIAM MAIR, M.A.	1903	
1642	Hebrew and Semitic Languages		ARCH. ROBT. STIRLING KENNEDY, B.D., D.D.	1895	Curators.
1862	Sanskrit and Comparative Philology ²		JULIUS EGGELING, Ph.D.	1875	Crown.
1882	Celtic Languages, Literature, History, and Antiquities ³		DON. MACKINNON, M.A.	1882	Curators.
1583	Mathematics		GEO. CHRYSTAL, LL.D...	1879	Curators.
1583	Natural Philosophy ...		JAMES GORDON MACGREGOR, M.A., D.Sc., LL.D.	1901	Curators.
1583	Logic & Metaphysics.		A. S. PRINGLE PATTISON, M.A., LL.D.	1891	Curators.
1583	Moral Philosophy		JAMES SETH, M.A.....	1898	Curators.
1719	History		JOHN KIRKPATRICK, LL.B., LL.D.	1881	Fac. of Adv., & Cur.
1893	History		R. LODGE, M.A., LL.D.	1899	University Court.
1901	Ancient History & Palæography ⁴		PETER HUME BROWN, M.A., LL.D.	1901	University Court.
1871	Commercial & Political Economy & Mercantile Law ⁵		JOSEPH SHIELD NICHOLSON, M.A., D.Sc.	1880	Cur., & Merch. Co.

¹ The Judges of the Court of Session nominate two Delegates, the Curators two, the Faculty of Advocates one, and the Society of Writers to the Signet one. These Delegates appoint the Professor, who receives his Commission from the Curators.

² This Chair was originally endowed by John Muir, of the Bengal Civil Service, and by a Parliamentary vote.

³ Originally endowed, 1882, with a sum of £14,000, raised by public subscription.

⁴ Sir William Fraser Chair.

⁵ Endowed in 1871 by the Merchant Company of Edinburgh, and other Governors of George Watson's and Daniel Stewart's Colleges.

Date of Institution.	Chairs.	Professors.	Appointed.	Patrons.
1879	Fine Art ¹	GERARD BROWN, M.A.	BALDWIN 1880	Univ. Ct., Pres. R. Scott. Acad.
1876	Theory, History, and Practice of Educa- tion ²	ALEXANDER M.A.	DARROCH, 1903	Curators.

FACULTY OF SCIENCE.

Dean—Professor GEIKIE, D.C.L., LL.D.

1583	Mathematics	GEORGE M.A., LL.D.	CHRYSTAL, 1879	Curators.
1583	Natural Philosophy..	JAMES GORDON MAC- GREGOR, M.A., D.Sc., LL.D.	1901	Curators.
1786	Astronomy	FRANK WATSON M.A., F.R.S.	DYSON, 1905	Crown.
1713	Chemistry	ALEX. CRUM M.D., D.Sc., LL.D.	BROWN, 1869	Curators.
1767	Natural History	JAMES COSSAR M.D.	EWART, 1882	Curators.
1676	Botany	ISAAC BAYLEY M.D., D.Sc.	BALFOUR, 1888	Crown.
1705	Anatomy	DANIEL J. CUNNINGHAM, D.C.L., LL.D., M.D., D.Sc.	1903	Curators.
1685	Physiology	EDW. ALBERT F.R.S.	SCHÄFER, 1899	Curators.
1871	Geology ³	JAMES GEIKIE, LL.D.	D.C.L., 1882	Crown.
1868	Engineering ⁴	THOS. HUDSON B.A., B.Sc., M.I.C.E.	BEARE, 1901	Crown.
1790	Agriculture & Rural Economy ⁵	ROBERT WALLACE.....	1885	Lds. of Sess., Cur. & Univ. Ct.
1898	Public Health ⁶	CHAS. HUNTER M.B., C.M., D.Sc.	STEWART, 1898	Univ. Court.

FACULTY OF DIVINITY.

Dean—Professor PATRICK, D.D.

1583	Divinity	WILLIAM PATERSON, D.D.	1903	Curators.
1846	Biblical Criticism & Biblical Antiquities	JOHN PATRICK, D.D.....	1898	Crown.
1694	Ecclesiastical History	MALCOLM TAYLOR, D.D.	CAMPBELL, 1877	Crown.
1642	Hebrew and Semitic Languages	ARCHD. ROBT. KENNEDY, B.D., D.D.	STIRLING, 1895	Curators.

FACULTY OF LAW.

Dean—Professor Sir LUDOVIC J. GRANT, Bart., B.A., LL.D.

1707	Public Law	Sir LUDOVIC J. GRANT, Bart., B.A., LL.D.	1890	Crown.
------	-------------------------	--	------	--------

¹ Endowed by the late Mr H. G. Watson, R.S.A., and Miss Frances Watson.

² Endowed by the Trustees of the late Rev. Dr Andrew Bell, and supplemented by the Educational Endowments Commission.

³ Endowed by Sir Roderick Impey Murchison, Bart.

⁴ Endowed by Sir David Baxter.

⁵ The Professor is elected by nine Delegates, three chosen by the Judges of the Court of Session, three by the Curators, and three by the University Court.

⁶ This Chair, "The Bruce and John Usher Chair of Public Health," was endowed by legacy of £5000 from the late Alexander Low Bruce, Esq.; donations of £1163 from Mrs A. L. Bruce and other members of the Bruce family; £8000 from Sir John Usher, Bart. of Norton and Wells; and £1000 from Messrs William Younger & Co.

Date of Institution.	Chairs.	Professors.	Appointed.	Patrons.
1710	Civil Law.....	JAS. MACKINTOSH, B.A.	1893	{ Fac. of Adv., and Cur. ¹
1719	History (Constitutional, etc.)	JOHN KIRKPATRICK, LL.B., LL.D.	1881	{ Fac. of Adv. and Cur. ¹
1722	Scots Law.....	JOHN RANKINE, K.C., LL.D.	1888	Do. ¹
1807	Forensic Medicine...	HARVEY LITTLEJOHN, M.A., M.D., B.Sc.	1906	Crown.
1825	Conveyancing ²	JOHN LITTLE MOUNSEY, W.S.	1900	{ Cur., Dep.-Kpr. and W.S. Soc. ³
1871	Commercial and Political Economy and Mercantile Law	JOSEPH SHIELD NICHOLSON, M.A., D.Sc.	1880	Cur., & Merch. Co.
1901	Ancient History and Palæography ⁴	PETER HUME BROWN, M.A., LL.D.	1901	University Court.

FACULTY OF MEDICINE.

Dean—Professor SIMPSON, M.D., D.Sc.

1713	Chemistry.....	ALEX. CRUM BROWN, M.D., D.Sc., LL.D., F.R.S.	1869	Curators.
1767	Natural History.....	JAMES COSSAR EWART, M.D.	1882	Curators.
1676	Botany.....	ISAAC BAYLEY BALFOUR, M.D.	1888	Crown.
1705	Anatomy.....	D. JOHN CUNNINGHAM, M.D., D.C.L., LL.D., D.Sc.	1903	Curators.
1685	Physiology.....	EDW. ALBERT SCHÄFER, F.R.S.	1899	Curators.
1831	Pathology.....	WILLIAM SMITH GREENFIELD, M.D.	1881	Curators.
1768	Materia Medica.....	Sir THOMAS RICHARD FRASER, M.D., LL.D.	1877	Curators.
1685	Medicine.....	JOHN WYLLIE, M.D.....	1900	Curators.
1831	Surgery.....	JOHN CHIENE, C.B., M.D.	1882	Curators.
1726	Midwifery.....	Sir JOHN HALLIDAY CROOM, M.D.	1905	Curators.
1807	Forensic Medicine....	HARVEY LITTLEJOHN, M.A., M.D., B.Sc.	1906	Crown.
1803	Clinical Surgery.....	THOS. ANNANDALE, M.D.	1877	Crown.
1741	Clinical Medicine.....	Sir THOMAS RICHARD FRASER, M.D.; WM. SMITH GREENFIELD, M.D.; and JOHN WYLLIE, M.D.; Diseases of Women—Sir JOHN HALLIDAY CROOM, M.D.; and A. H. F. BARBOUR, M.A., M.D.		
1898	Public Health ⁵	CHARLES HUNTER STEWART, M.B., CM., D.Sc.	1898	Univ. Court.

FACULTY OF MUSIC.

Dean—Professor NIECKS, Mus. D., The PRINCIPAL, *ex officio*.

Professor KIRKPATRICK, appointed by the Senatus.

1839	Reld Chair of Music..	FRED. NIECKS, Mus. D.	1891	University Court.
------	-----------------------	-----------------------	------	-------------------

¹ For each of these Chairs the Faculty of Advocates send to the Curators a list of two, of whom the Curators must choose one.

² Endowed by the Society of Writers to the Signet.

³ The Election is by—(1) Two Delegates from the Curators; (2) Two from the Society of Writers to the Signet; and (3) The Deputy-Keeper of the Signet.

⁴ Sir William Fraser Chair.

⁵ See footnote 6, page 3.

UNIVERSITY LECTURERS.

Date of Institution.	Subjects.	Lecturers.	Appointed.	Patrons.
1892	Rhet. and English Lit.	ADAM B. WEBSTER, M.A.	1905	University Court.
1892	Latin	JAMES MILL, M.A.....	1896	Do.
1892	Greek	ALFRED R. AINSWORTH, B.A.	1903	Do.
1892	Mathematics	CHARLES TWEEDIE, M.A., B.Sc.	1892	Do.
1903	Do.	ELLICE M. HORSBURGH, M.A., B.Sc., A.M.I.C.E.	1903	Do.
1905	Do.	J. H. MACLAGAN WEDDERBURN, M.A.	1905	Do.
1892	Natural Philosophy	WILLIAM PEDDIE, D.Sc.	1892	Do.
1892	Applied Mathematics	CARGILL G. KNOTT, M.A., D.Sc.	1892	Do.
1892	Logic & Metaphysics	ROBERT P. HARDIE, M.A.	1892	Do.
1892	Moral Philosophy	HENRY BARKER, M.A.	1898	Do.
1894	French Lang., Lit., and Romance Philology	CHARLES SAROLEA, K.O.L., Ph.D., D.Litt.	1894	Do.
1894	German Lang., Lit., and Teutonic Philology	OTTO SCHLAPP, Ph.D.	1894	Do.
1900	History ¹	DAVID PLAYFAIR HEATLEY	1900	Do.
1901	Ancient History (Greek and Roman) ²	G. H. STEVENSON, M.A.	1905	Do.
1904	Military Subjects	Capt. HENRY MELVILL JOHNSTONE, R.E. (retd.)	1904	Do.
1901	Economic History	ARCH. BROWN CLARK, M.A.	1901	Do.
1894	Chemistry	LEONARD DOBBIN, Ph.D.	1894	Do.
	Do.	HUGH MARSHALL, D.Sc.	1902	Do.
	Do.	W. W. TAYLOR, M.A., D.Sc.	1902	Do.
1894	Mineralogy and Crystallography	HUGH MARSHALL, D.Sc., F.R.S.	1894	Do.
1894	Petrology	R. CAMPBELL, M.A., B.Sc.	1904	Do.
1894	Plant Physiology	A. W. BORTHWICK, D.Sc.	1898	Do.
1902	Histology	PERCY T. HERRING, M.D.	1902	Do.
1902	Chemical Physiology			Do.
1902	Experimental Physiology	SUTHERLAND SIMPSON, M.D., D.Sc.	1902	Do.
1905	Physiology of Reproduction	FRANCIS H. A. MARSHALL, M.A., D.Sc.	1905	Do.
1903	Astronomy (Advanced)	JACOB HALM, Ph.D.	1903	Do.
1895	Engineering Drawing	WALTER HUME KERR, M.A., B.Sc.	1895	Do.
1894	Agricultural Chemistry	LEONARD DOBBIN, Ph.D.	1904	Do.
1889	Forestry	Col. F. BAILEY, R.E. (retd.)	1892	Do.
1890	Agricultural Entomology ³	WILLIAM FREEM, LL.D., B.Sc.	1891	
1887	Gifford Lecturer on Natural Theology ⁴	Emer. Prof. SIMON SOMERVILLE LAURIE, M.A., LL.D.	1904	
1889	Gunning Lecturer	Rev. JOHN MORRISON, D.D.	1904	Divinity Faculty.
1894	International Private Law	J. H. MILLAR, B.A., LL.B.	1901	University Court.

¹ Mackay Lectures.

² Sir William Fraser Lectures.

³ Steven Lectureship. Patrons: The Principal, the Professor of Agriculture, and three representative members appointed by the University Court.

⁴ Patrons: Senatus Academicus.

Date of Institution.	Subjects.	Lecturers.	Appointed.	Patrons.
1884	Procedure & Evidence	JOHN HARVEY, B.A., LL.B.	1905	University Court.
1904	Landlord and Tenant	Vacant		Do.
1904	Administrative Law..	PHILIP F. WOOD, M.A.	1904	Do.
1879	Mental Diseases.....	THOS. S. CLOUSTON, M.D.	1879	Do.
1883	Diseases of the Eye....	GEORGE MACKAY, M.D.	1905	Do.
1885	Clinical Instruction on Diseases of Children	T. M. BURN MURDOCH, M.B., and staff of the Royal Hospital for Sick Children.	1889	Do.
1885	Embryology and Vertebrate Zoology	JOHN BEARD, D.Sc.	1894	Do.
1894	Anatomy	DAVID WATERSTON, M.D., C.M.	1903	Do.
1903	Applied Anatomy.....	HAROLD J. STILES, M.D., C.M.	1903	Do.
1894	Experimental Pharmacology	WILLIAM C. SILLAR, M.B., B.Sc.	1894	Do.
1894	Pathological Bacteriology	JAMES MARTIN BEATTIE, M.D., C.M.	1901	Do.
1897	Diseases of the Larynx, Ear, and Nose	ROBERT M'KENZIE JOHN- STON, M.D., C.M.	1903	Do.
1898	Diseases of Tropical Climates	ANDW. DAVIDSON, M.D.	1899	Do.
1899	Clinical Instruction on Diseases of the Skin	W. ALLAN JAMIESON, M.D.	1899	Do.
1907	Invertebrate Zoology	J. H. ASHWORTH, D.Sc.	1901	Do.
1904	Infective Fevers.....	{ J. O. AFFLECK, M.D. C. B. KER, M.D. }	1904	Do.
1904	Anæsthetics (Practical application of)	THOS. D. LUKE, M.B.	1904	Do.
1906	Systematic & Clinical Gynecology.	A. H. F. BARBOUR, M.A., M.D.	1906	Do.

UNIVERSITY ASSISTANTS.

IN THE FACULTY OF ARTS.

Subjects.	Assistants.
Rhetoric and Eng. Liter.	ADAM B. WEBSTER, M.A.
Humanity.....	JAMES MILL, M.A., G. H. STEVENSON, M.A.
Greek.....	ALFRED R. AINSWORTH, B.A.
Hebrew and Semitic Languages	A. H. HARLEY, M.A.
Mathematics.....	CHARLES TWEEDIE, M.A., B.Sc.; E. M. HORSBURGH, M.A., B.Sc.
Natural Philosophy.....	WILLIAM PEDDIE, D.Sc.; J. D. FULTON, M.A.; THOMAS LINDSAY (Mechanical).
Do. under Nichol Foundation.....	J. HARKESS.
Logic and Metaphysics	R. P. HARDIE, M.A.
Moral Philosophy.....	HENRY BARKER, M.A.
History	D. P. HEATLEY.
Political Economy, &c.....	ARCHIBALD B. CLARK, M.A.

IN THE FACULTY OF SCIENCE.

Geology.....	ROBERT CAMPBELL, M.A., B.Sc.
Engineering.....	W. H. KERR, M.A., B.Sc.
Do. Demonstrator	G. H. GULLIVER, Assoc. M.I.M.E.

IN THE FACULTY OF DIVINITY.

Subjects.	Assistants.
Divinity	Rev. JOHN DICKIE, M.A.
Hebrew and Semitic Languages	ALEX. H. HARLEY, M.A.

IN THE FACULTY OF LAW.

Civil Law	J. M. IRVINE, M.A., B.Sc., LL.B.
Scots Law	CHARLES R. A. HOWDEN, M.A.
Conveyancing	JOHN ALEX. GRANT.
Forensic Medicine	
Constitutional Law and History	D. P. HEATLEY.

IN THE FACULTY OF MEDICINE.

Chemistry	LEONARD DOBBIN, Ph.D.; HUGH MARSHALL, D.Sc., F.R.S.; WM. WHITE TAYLOR, M.A., D.Sc.; J. P. LONGSTAFF, B.Sc.; THOMAS F. COWIE; CHARLES NORMAN KEMP.
Zoology	J. BEARD, D.Sc.; J. H. ASHWORTH, D.Sc.; D. W. HENDERSON, M.A.
Botany	A. W. BORTHWICK, D.Sc.; WILLIAM SMITH, M.A.
Anatomy	DAVID WATERSTON, M.D., C.M.; EDWARD B. JAMIESON, M.B., C.M.; L. TURTON PRICE, M.B.; JAS. M. GRAHAM, M.B., Ch.B.; DAVID BROWN, M.B.; WM. GEMMELL, M.A., M.B., Ch.B.
Physiology	P. T. HERRING, M.D.; SUTHERLAND SIMPSON, D.Sc. M.D.; W. CRAMER; W. A. JOLLY.
Pathology	J. M. BEATTIE, M.D.; W. E. CARNEGIE DICKSON, M.D., Ch.B.; LINDSAY S. MILNE, M.B.; RICHARD MUIR (Laboratory).
Materia Medica	WM. C. SILLAR, M.B., C.M., B.Sc.; JAMES A. GUNN, M.B., Ch.B.
Medicine	J. GIBSON CATTANACH, M.B., C.M.
Clinical Medicine Tutors ...	EDWIN BRAMWELL, M.B., Ch.B.; W. E. CARNEGIE DICKSON, M.D.
Surgery	GEORGE L. CHIENE, M.B., C.M.; R. A. CHAMBERS, M.B., Ch.B.
Midwifery	G. F. BARBOUR SIMPSON, M.D.; MALCOLM CAMPBELL, M.B.
Forensic Medicine	
Public Health	J. BUCHANAN YOUNG, M.B., D.Sc.
Clinical Surgery Tutor	W. J. STUART, M.B., C.M.

IN THE FACULTY OF MUSIC.

Music	MATTHEW SHIRLAW, Mus. B.
--------------------	--------------------------

EXAMINERS.

FOR PRELIMINARY EXAMINATION.

The Professors of or Lecturers on the several subjects, and the following additional Examiners:—

Subjects.	Examiners.	Appointed.	Patrons.
English	FREDERICK S. BOAS, M.A.	1902	University Court.
Latin }	{ A. DOUGLAS THOMSON, }	1902	Do.
Greek }	{ M.A., D.Litt. }		
Mathematics	JAMES F. M'KEAN, M.A.	1906	Do.
French	{ ALEX. CRAN, M.A., Ph.D., }	1902	Do.
	{ D.Litt. }		
German	{ Miss B. H. A. ROBSON, }	1904	Do.
	{ M.A. }		
Italian			Do.
Dynamics			Do.

FOR DEGREES, &c.**I.—IN THE FACULTY OF ARTS.**

The Professors of or Lecturers on the several Subjects, and the following additional Examiners:—

I. LANGUAGE AND LITERATURE.

Subjects.	Examiners.	Appointed.	Patrons.
Latin	{ E.S. SHUCKBURGH, D. Litt., and A. DOUGLAS THOMSON, M.A., D. Litt. }	1902	University Court.
Greek			
English	FREDERICK S. BOAS, M.A.	1902	Do.
French	{ ALEX. CRAN, M.A., Ph.D., D. Litt. }	1902	Do.
German			
Sanskrit	MISS B. H. A. ROBSON, M.A.	1904	Do.
Hebrew and Semitic Languages	F. W. THOMAS, M.A.	1904	Do.
Classical Archæology..	Rev. ADAM C. WELCH, }	1901	Do.
Celtic	M.A., B.D. }		
	ADOLF P. OPPÉ, B.A.	1905	Do.
	DONALD LAMONT, M.A.	1904	Do.

2. MENTAL PHILOSOPHY.

Logic and Metaphysics, }	W. G. SMITH, M.A., Ph.D.	1903	Do.
Moral Philosophy			
Political Economy	FRANK SPENCE, M.A.	1906	Do.
Education	JOHN B. CLARK, M.A.	1904	Do.
Philosophy of Law	ROBERT MUNRO, LL.B.	1905	Do.

3. SCIENCE.

Mathematics (Pure and Applied)	{ JAMES F. M'KEAN, M.A. }	1906	Do.
Experimental Physics..			
Astronomy	{ MAGNUS MACLEAN, M.A., D.Sc. }	1906	Do.
Chemistry			
Zoology	A. A. RAMBAUT, Sc.D., F.R.S.	1905	Do.
Botany	J. J. DOBBIE, D.Sc., F.R.S.	1905	Do.
Geology	Prof. SYDNEY J. HICKSON...	1905	Do.
	{ Prof. H. MARSHALL WARD, D.Sc., F.R.S. }	1905	Do.
	JOHN HORNE, LL.D., F.R.S.	1904	Do.

4. HISTORY AND LAW.

History	{ J. HOSSELL HENDERSON, M.A., LL.B. }	1902	Do.
Archæology and Art (History of)			
Constitutional Law and History	Prof. S. H. CAPPER, M.A.	1904	Do.
Roman Law	ROBERT MUNRO, M.A., LL.B.	1904	Do.
Public Law			

II.—SCIENCE.**I. PURE SCIENCE.**

The Professors of and Lecturers on the several subjects, and the additional Examiners in Mathematics, Natural Philosophy, Zoology, Botany, Chemistry, Astronomy, Anatomy, Physiology, and Geology.

2. ENGINEERING.

The Professors of and Lecturers on the several subjects, the additional Examiners in Mathematics, Natural Philosophy, and Chemistry, and in

Subjects.	Examiners.	Appointed.	Patrons.
Engineering	W. A. P. TAIT, M.A., B.Sc., C.E.	1901	University Court.
Extra Addl. Examiner	Prof. STANFIELD.....	1902	Do.
Electrical Engineering, {	Prof. F. G. BAILY, M.A., } M.I.E.E.	1902	Do.

3. PUBLIC HEALTH.

The Professors of and Lecturers on the several subjects, and the following additional Examiners :—

Physics	MAGNUS MACLEAN, M.A.,	1906	University Court.
	D.Sc.		
Laboratory Work	Prof. HENRY R. KENWOOD,	1905	Do.
	M.B., D.P.H.		
Medicine in its bearings	ALEXANDER BRUCE, M.D.	1904	Do.
on Public Health			
Sanitation, Sanitary Law,			
and Vital Statistics	E. W. HOPE, M.D., D.Sc.	1905	Do.

4. AGRICULTURE.

The Professors of and Lecturers on the several subjects, and the following additional Examiners :—

The additional Examiners in Mathematics, Chemistry, Botany, Natural History, Geology, and Political Economy, and in

Agriculture	J. BAYNE, B.Sc.....	1905	University Court.
Veterinary Hygiene	SYDNEY PENNINGTON,	1906	Do.
	M.R.C.V.S.		
Chemistry as applied to	Dr J. AUGUSTUS VOELCKER	1903	Do.
Agriculture			
Political Economy	FRANK SPENCE, M.A. ...	1906	Do.
Forestry	FRASER STORY.....	1904	Do.
Agricultural Entomology ..	ROBERT NEWSTEAD.....	1903	Do.

III.—IN THE FACULTY OF DIVINITY.

The Professors in the Faculty of Divinity, and the following additional Examiners :—

Rev. S. J. RAMSAY SIBBALD, M.A., B.D.....	1905	University Court.
Rev. ADAM C. WELCH, M.A., B.D.....	1905	Do.

IV.—IN THE FACULTY OF LAW.

The Professors of, and Lecturers on, the several subjects, and the following additional Examiners :—

Scots Law, International	CHARLES D. MURRAY,	1903	University Court.
Private Law, Convey-			
ancing, and Forensic			
Medicine	ROBERT MUNRO, M.A.,	1904	Do.
Civil Law, Public Law,			
Constitutional Law, and			
History	LL.B.		
Political Economy	FRANK SPENCE, M.A....	1905	Do.

V.—IN THE FACULTY OF MEDICINE.

The Professors in the Faculty of Medicine, and the following additional Examiners:—

Subjects.	Examiners.	Appointed.	Patrons.
Botany	Prof. H. MARSHALL WARD, D.Sc., F.R.S.	1905	University Court.
Zoology	Prof. SYDNEY J. HICKSON.....	1905	Do.
Physics	MAGNUS MACLEAN, M.A., D.Sc.	1905	Do.
Chemistry	JAMES J. DOBBIE, D.Sc., F.R.S.	1905	Do.
Anatomy	Prof. DAVID HEPBURN, M.D.	1905	Do.
Physiology	Prof. C. S. SHERRINGTON, M.D.	1904	Do.
Materia Medica	WILLIAM CRAIG, M.D.....	1905	Do.
Pathology	STUART M'DONALD, M.D....	1905	Do.
Forensic Medicine	JOHN WRIGHT MASON, M.D.	1905	Do.
Public Health	Prof. E. W. HOPE, M.D., D.Sc.	1905	Do.
Surgery	A. G. MILLER, M.D.....	1901	Do.
Practical Surgery	A. G. MILLER, M.D.....	1906	Do.
	J. M. COTTERILL, M.B.	1906	Do.
	J. HODSDON, M.D.....	1906	Do.
	JAMES HODSDON, M.D.....	1904	Do.
Clinical Surgery	J. SCOTT RIDDELL, M.D., C.M.	1904	Do.
	J. M. COTTERILL, M.B., C.M.	1905	Do.
	J. J. GRAHAM BROWN, M.D.	1904	Do.
Medicine	{ GEORGE A. GIBSON, M.D..... R. W. PHILIP, M.D..... }	1904	Do.
Clinical Medicine			
Midwifery	F. W. N. HAULTAIN, M.D....	1905	Do.

VI.—IN THE FACULTY OF MUSIC.

The Professor of Music and Sir ALEXANDER C. MACKENZIE, Mus. D.

FOR SCHOOLMASTER'S DIPLOMA.

The Professor of Education and J. B. CLARK, M.A. 1905.

UNIVERSITY LIBRARY.

Curator.—Professor EGGEING. **Librarian.**—ALEXANDER ANDERSON.**Assistant Librarians.**—DAVID CUTHBERTSON; WILLIAM WRIGHT; EDMOND MURSET; GLADSTONE BRUCE; JAMES H. S. GREGORY. *at University New Buildings.***Organist.**—THOMAS H. COLLINSON, Mus. Bac.**Keeper of Anatomical Museum**.... Professor CUNNINGHAM.**Assistant Keeper**..... JOHN HENDERSON.**Keeper of Museum of Nat. Hist.** ... Professor EWART.**Clerk of Senatus**..... THOMAS GILBERT.**Assistant Clerks**
	{ JAMES DOWIE, JOHN STIRTON, THOMAS F. HARLEY.
Clerk of Works	ALLAN E. L. CLARK.
Janitor and Mace-Bearer.....	JAMES TWEEDDALE.
Warders.....	JAMES DONALDSON, WM. JAS. MURRAY.
Caretaker, Music Class Room.....	C. W. WELBY.
Caretaker, M'Ewan Hall.....	JOSEPH FERDINANDO.
Caretaker, John Usher Institute	JAMES CUMMING.

GENERAL COUNCIL.

President	{ The Right Hon. ARTHUR JAMES BALFOUR, M.P., D.C.L., &c., Chan- cellor of the University.
Vice-Presidents	The Rector, The Principal, The Chan- cellor's Assessor, The Rector's Assessor.
Representative in Parliament	Sir JOHN BATTY TUKE, M.D., LL.D.
Convener of Business Committee ..	DAVID D. BUCHAN, LL.B., S.S.C.
Convener of Finance Committee ..	THOMAS J. MILLAR, M.A., LL.B.
Secretary and Registrar	THOMAS GILBERT.

Constitution of the University.

THE University of Edinburgh was originally the "College of Edinburgh" or "The Town's College," founded in 1583 by the Town Council of Edinburgh, under general powers granted by the Charter of King James VI., dated 14th April 1582. No Charter of foundation is extant; but from the first the College possessed the privilege of conferring degrees. This privilege was ratified by the "Act of Confirmation," passed in 1621, which secured to the "College of James VI." (as it had come to be called) all the rights, immunities, and privileges enjoyed by the Universities of Scotland. This ratification was renewed in the Treaty of Union between England and Scotland, and in the Act of Security. Gradually, in Acts of General Assembly, of Town Council, and of Parliament, the "College of James VI." came to be styled "The University of Edinburgh"; but it remained under the control and patronage of the Town Council down to 1858, when, by the Universities Act, all the Universities of Scotland received new and autonomous constitutions.

The University is a Corporation consisting of the Chancellor, Rector, Principal, Professors, Registered Graduates and Alumni, and Matriculated Students; and from 1858 to 1890 its government was vested in the *Senatus Academicus* (consisting of the Principal and the Professors), subject to the review and control of the University Court.

By the Universities (Scotland) Act 1889, the University Court was constituted a body corporate, to which the whole property belonging to the University at the passing of the Act was transferred, with full power of administration.

The *Senatus*, as heretofore, regulates the teaching and discipline of the University, subject to the provisions of the Universities Acts of 1858 and 1889.

CHANCELLOR.

The Chancellor is elected by the General Council for life. Changes in the ordinances and in University arrangements, proposed or approved by the University Court, must receive his sanction. Degrees are conferred by him, or by the Vice-Chancellor. The Chancellor is President of the General Council, and nominates an Assessor in the University Court. Appointments:—

Right Hon. Lord Brougham, 1859.

Right Hon. John Inglis, D.C.L., LL.D., 1868.

Right Hon. ARTHUR J. BALFOUR, M.P., D.C.L., LL.D., &c., 1891.

VICE-CHANCELLOR.

The Vice-Chancellor, nominated by the Chancellor, may, in absence of the Chancellor, confer Degrees, but cannot discharge any other of the Chancellor's duties. In the Vice-Chancellor's absence Degrees are conferred by the Principal, or by the senior member of Senatus.

The Vice-Chancellor acts as Returning Officer at Parliamentary Elections. If there be no Vice-Chancellor at the time, the University Court appoints one to act as Returning Officer. Appointments:—

Sir D. Brewster, appointed 1860.

Sir Alexander Grant, Bart.,
1868.

Sir William Muir, 1885.

Sir WILLIAM TURNER, K.C.B.,
1903.

RECTOR.

The Rector is elected by the Matriculated Students in the University on such day in October or November as may be fixed by the University Court after consultation with the Senatus, but not later than the second Saturday in November. The term of office is three years. The next election will take place in November 1908. The Rector is President of, and nominates an Assessor in, the University Court. He may, before he appoints his Assessor, confer with the Students' Representative Council. No Principal or Professor of any Scottish University is eligible. Appointments:—

Rt. Hon. W. E. Gladstone, 1859.	Rt. Hon. George J. Goschen, 1890.
Thomas Carlyle, 1865.	Rt. Hon. J. P. B. Robertson, 1893.
Rt. Hon. Lord Moncreiff, 1868.	Rt. Hon. Lord Balfour of Burleigh, 1896.
Sir W. Stirling Maxwell, Bt., 1871.	Most Hon. the Marquess of Dufferin and Ava, 1899.
Rt. Hon. Earl of Derby, 1874.	Rt. Hon. Sir Robert Bannatyne Finlay, 1902.
Most Hon. the Marquess of Hartington, 1877.	Rt. Hon. RICHARD BURTON HALDANE, 1905.
Rt. Hon. Earl of Rosebery, 1880.	
Rt. Hon. Earl of Idlesleigh, 1883.	
Most Hon. the Marquess of Lothian, 1887.	

REPRESENTATIVE IN PARLIAMENT.

Under Clauses 27 to 41 of the "Representation of the People (Scotland) Act," 31 & 32 Vict., cap. 48, the General Councils of the Universities of Edinburgh and St Andrews elect a Member of Parliament for these Universities.

When a poll is demanded, the votes are given by voting papers issued by the Registrar.

The appointments have been—

Sir Lyon, afterwards Lord, Playfair, K.C.B., LL.D., 1868.
 Rt. Hon. J. H. A. Macdonald, C.B., Q.C., LL.D., 1885, 1886.
 M. T. Stormonth Darling, Q.C., LL.D., 1888.
 Rt. Hon. Sir Charles J. Pearson, Q.C., LL.D., 1890, 1892.
 Sir William Overend Priestley, K.B., M.D., LL.D., 1896.
 Sir JOHN BATTY TUKE, M.D., LL.D., 1900, 1906.

The Parliamentary constituency for 1906 is as follows :—

Edinburgh.....	9,870
St Andrews.....	1,554

Total in 1906.....11,424

In the Parliamentary Election, 1906, 4893 voted for Sir John Batty Tuke and 2310 for John St Loe Strachey. Majority for Tuke, 2583. See Appendix No. IV. p. 647.

UNIVERSITY COURT.

Under the Universities Act 1858, the Court has power :—

1. To review all decisions of the Senatus, and to be a Court of Appeal from the Senatus, except as otherwise provided in the Universities Act.

2. To effect improvements in the internal arrangements of the University, after due communication with the Senatus, and with the sanction of the Chancellor; provided all such proposed improvements be submitted to the General Council for consideration.

3. To require due attention on the part of the Professors to the Regulations as to the mode of teaching and other duties imposed on the Professors.

4. To fix and regulate, from time to time, the Fees in the several Classes.

5. Upon sufficient cause shewn, and after due investigation, to censure any member of the Senatus, or to suspend him from office, and from the emoluments thereof, in whole or in part, for any period not exceeding one year, or to require him to retire on a retiring allowance, or to deprive him of office; and during the suspension of any Professor, to make provision for the teaching of his class: provided no such sentence of censure, suspension, deprivation, etc., shall have effect until approved by His Majesty in Council.

By Sec. xix. any of the Rules and Ordinances enacted by the Universities Commissioners under the Act. may be altered or revoked by the University Court of the University to which they are applicable, but only with the written consent of the Chancellor, and with the approval of His Majesty in Council.

By the Universities (Scotland) Act 1889, the University Court is a body corporate with perpetual succession and a common seal; and all the property belonging to the University at the passing of the Act is now vested in that body.

By the same Act, the University Court, besides the powers conferred upon it by the Act of 1858, has power—

- (1.) To administer and manage the whole revenue and property of the University, including funds mortified for bursaries and other purposes, and have all the powers necessary for the purpose.
- (2.) To review any decision of the Senatus appealed against by a member of Senatus, or other member of the University having an interest, and to take into consideration all representations and reports made to it by the Senatus and by the General Council.
- (3.) To review, on representation made by any of its members, or by any member of Senatus, any decision which the Senatus may come to under section seven, sub-section one, but the University Court shall not review any decision of the Senatus in a matter of discipline, except upon appeal taken either by a member of Senatus or by a member of the University directly affected.
- (4.) To appoint professors whose chairs are in the patronage of the University; to appoint examiners and lecturers; and to grant recognition to the teaching of any college or individual teacher for the purposes of graduation.
- (5.) To define, on application by any member of Senatus, the nature and limits of a professor's duties under his commission.
- (6.) To take proceedings against a principal or professor, University lecturer, assistant, recognised teacher or examiner, or other person employed in teaching or examining, without the necessity of any one not a member of the Court appearing as prosecutor, and in such proceedings to call any member of

the University to give evidence, and to require the production of documents, and to institute any inquiries it may deem necessary.

- (7.) To appoint from among members of the University or others, not being members of the Senatus, one-third of the members of any committee charged, by ordinance of the Commissioners, with the superintendence of any libraries or museums belonging to the University; and on representation made by any of its members, or by any member of Senatus, to review any decision which the Senatus, in the exercise of its powers, may come to in respect of the recommendations of such committee.
- (8.) To appoint committees of its own number, of not less than five members, with powers to report on any business entrusted to them by the University Court, or to carry out special instructions ordered by the Court.
- (9.) To elect the representative of the University on the General Medical Council, under the Medical Act 1886.
- (10.) After the expiration of the powers of the Commission to found new professorships, with the approval of the Universities Committee.

The University Court, by Section 21, has power to make new ordinances, with the approval of His Majesty in Council:

- (1.) With respect to the appropriation of the sum allotted to the University by the Commissioners out of the annual grant.
- (2.) Altering or revoking ordinances framed under the Universities Act 1858, or this Act; and making new ordinances: provided that such ordinances, before being submitted to His Majesty for approval, have been communicated by the University Court to the Senatus, to the General Council, and to the University Courts of the other Universities.

The Court shall meet for the despatch of ordinary business on the Monday occurring in the seven days beginning on the 12th and ending with the 18th of each month, excepting the months of August and September, in which months the Court shall not meet, and also excepting the month of October, in which month the Court shall meet on the Monday occurring in the seven days beginning on the 18th and ending with the 24th of that month. Other meetings may be called as the Court may direct. Any meeting may be postponed. Special Meetings may be called by order of the Rector or the Principal, or by the Secretary on a requisition specifying the object, signed by at least three members of the Court.

It shall also meet, if necessary, to hear Registration Appeals on the first Monday following the 19th January.

The University Court holds the patronage of the Chair of Music; of the new Chair of History; of the Chair of Public

Health ; of the Chair of Ancient History and Palæography ; of the Chair of Fine Art, in conjunction with the President of the Royal Scottish Academy ; and a share in the patronage of the Chair of Agriculture. It also elects three of the seven Curators of Patronage, and appoints the Lecturers and the Additional Examiners for Degrees.

The Court consists of—1. The Rector ; 2. The Principal ; 3. The Lord Provost of Edinburgh for the time being ; 4. An Assessor nominated by the Chancellor ; 5. An Assessor nominated by the Rector ; 6. An Assessor nominated by the Lord Provost, Magistrates, and Town Council of Edinburgh ; 7. Four Assessors elected by the General Council ; 8. Four Assessors elected by the Senatus Academicus ; 9. Representatives of affiliated Colleges, under section 15 (4) of the Act of 1889 (if any).

Seven members constitute a quorum. The Rector and his Assessor continue in office for three years ; but when the Chancellor or the Rector ceases to hold office, his Assessor continues to be a member of the Court until an Assessor is nominated by the new Chancellor or Rector. The other Assessors hold office for four years ; and all Assessors are eligible for re-election. No Principal or Professor of any Scottish University is eligible as Assessor to any other person or body than the Senatus. The Rector, and in his absence the Principal, presides at meetings of the Court, and in the absence of both a chairman is elected by the meeting. The person presiding at any meeting of the Court has a deliberative vote, and also a casting vote in case of equality.

An abstract of the proceedings of the Court in 1904-1905 is given in a subsequent part of the Calendar.

The names of the present Assessors are given on page 1. The names of the Assessors before 1888 will be found in the Historical Appendix to List of University Graduates, published in 1889 (page 105). The Assessors since 1888 will be found in the various Calendars.

UNIVERSITIES COMMITTEE OF PRIVY COUNCIL.

The Scottish Universities Committee of the Privy Council consists of the Lord President of the Privy Council, the Secretary

for Scotland ; the Lord Justice-General, Lord Justice-Clerk, Lord Advocate, and the Chancellor and the Lord Rector of each of the Universities, if members of the Privy Council ; one member at least of the Judicial Committee of the Privy Council ; and such other member or members of the Privy Council as His Majesty may appoint.

The powers and duties of this Committee may, subject to rules or regulations passed by His Majesty in Council, be exercised and discharged by any three or more of the members, one of whom shall be a member of the Judicial Committee of the Privy Council or a Senator of the College of Justice in Scotland.

CURATORS OF PATRONAGE.

By the Universities Act of 1858, the patronage of seventeen Chairs, previously in the gift of the Town Council, was transferred to seven Curators—three nominated by the University Court, and four by the Town Council. The Curators also have the patronage of the Chairs of Celtic and Education and a share in the patronage of the Chairs of Humanity, Agriculture, Civil Law, History (and Constitutional Law), Scots Law, and Conveyancing, formerly in the gift of the Town Council, and of the Chair of Political Economy. The Curators hold office for three years. The names of the present Curators are given on page 2.

REPRESENTATIVE IN GENERAL MEDICAL COUNCIL.

Under the Medical Act of 1886, the University is entitled to elect a Member of the General Medical Council, who holds office for five years. Sir William Turner was elected by the Senatus in December 1886. Under the Universities Act of 1889, the University Representative is elected by the University Court, by whom Sir William Turner, K.C.B., M.B., D.C.L., LL.D., was elected in 1891, and re-elected in 1896 and 1901. Sir Thomas R. Fraser, M.D., LL.D., was elected in 1905.

PRINCIPAL.

The Principal, formerly elected by the Town Council, now by the Curators, holds office for life. He is the President of the *Senatus Academicus*; in absence of the Rector, he presides at the meetings of the University Court; and in absence of the Chancellor and Rector he presides at the Statutory Meetings of the General Council, and also at the Special Meetings, except for the election of Assessors.

PRINCIPALS ELECTED SINCE 1586.

1586. Robert Rollock, <i>previously</i> <i>Regent</i>	1716. William Wishart
1599. Henry Charteris	1730. William Hamilton
1620. Patrick Sands	1732. James Smith
1622. Robert Boyd	1736. William Wishart, <i>secundus</i>
1623. John Adamson	1754. John Gowdie
1653. Robert Leighton	1762. William Robertson
1662. William Colvill	1793. George Husband Baird
1675. Andrew Cant	1840. John Lee
1685. Alexander Monro	1859. Sir David Brewster
1690. Gilbert Rule	1868. Sir Alexander Grant, Bart.
1703. William Carstares	1885. Sir Wm. Muir., K.C.S.I.
	1903. Sir WM. TURNER, K.C.B.

SENATUS ACADEMICUS.

The Principal and the Professors constitute the *Senatus*. This body superintends and regulates the teaching and discipline of the University. The *Senatus* elects four Assessors in the University Court who hold office for four years. Two retire biennially, but may be re-elected; and in case of a casual vacancy, the person elected to fill it goes out of office when the person whom he succeeded would in the ordinary rotation have retired. The *Senatus* appoints two-thirds of the members of the Library and the Museums Committees, receives their reports, and, subject to the review of the University Court, confirms, modifies, or rejects such reports. It also elects a representative in the General Assembly of the Church of Scotland; two Managers of the Royal Infirmary; two Gover-

nors of George Heriot's Trust ; two Governors of Morrison's Academy, Crieff ; two Governors of the Spence Bursary Trust ; one Governor of Dollar Institution ; and one Governor of Stiell's Hospital, Tranent. Degrees in Arts, Science, Divinity, Law, Medicine, and Music are conferred, on the recommendation of the Senatus, by either the Chancellor, the Vice-Chancellor, the Principal, or the senior Professor present. The Principal is President of the Senatus, with a deliberative and also a casting vote ; and, in his absence, the Senior Professor present acts as Chairman, also with a double vote. The Ordinary Meetings of Senatus shall be held on Saturday, 13th October, 3rd November, 1st December, 12th January, 2nd February, 2nd and 30th March, at 11 A.M., and on Friday, 10th May, 7th June, and 5th July, and on Thursday, 25th July, at 2 P.M.

Extraordinary Meetings will be held when necessary in April on the day of the Graduation Ceremonial at 9.30 A.M., and in October on the day of the Special Graduation Ceremonial.

Special Meetings may be arranged for at Ordinary or Extraordinary Meetings, or they may be called for urgent or important business, by order of the Principal, or on a requisition specifying the object, signed by three Professors.

The Senatus reserve the power of changing the date and hour of a meeting on special cause shown.

The Graduation Ceremonials shall be held on 20th October (*special*), 12th April, and 26th July.

The Secretary of Senatus, among other duties, summons the Meetings, prepares the Minutes, and intimates business assigned to the Principal, the Faculties, the Boards of Studies, &c. He also administers the *Sponsio Academica* to Graduates.

FACULTIES.

The University now contains six Faculties, as constituted by Ordinance in 1893—viz., Arts, Science, Divinity, Law, Medicine, and Music. Each Faculty is presided over by a Dean, who is elected by the Professors of his Faculty, and who, among other duties, presents to the Chancellor or Vice-Chancellor the Graduands of his Faculty. The names of the present Deans

are given on pp. 2, 3, and 4. The Chairs in the various Faculties are here given in chronological order. The Faculties as previously constituted are given in the CALENDAR for 1894-95, and in previous CALENDARS.

FACULTY OF ARTS.

The Faculty of Arts embraces the Chairs of Humanity (Latin), Greek, Mathematics, Logic and Metaphysics, Moral Philosophy, Natural Philosophy, Hebrew and Semitic Languages, History (three Chairs), Rhetoric and English Literature, Sanskrit and Comparative Philology, Commercial and Political Economy, Education, Fine Art, and Celtic.

REGENTS AND PROFESSORS IN THE FACULTY OF ARTS SINCE 1583.

Regents of Philosophy, 1583-1708.

[*The Regents of Philosophy taught in rotation the four classes in the Curriculum of Arts, the "Bajans," the "Semi-Bajans," the "Bachelors," and the "Magistrands," as the Students of the first, second, third, and fourth year were respectively styled. Each Regent therefore taught every subject in the Curriculum—the Regent of Humanity being subordinate to the Regent of Philosophy, and being employed as a tutor in Classics for Unmatriculated Students. In 1708 the system was changed, and separate Professors for Latin, Greek, Logic and Metaphysics, Moral Philosophy and Natural Philosophy, were substituted for the Regents. A Professorship of Mathematics had previously existed.*]

- 1583. Robt. Rollock, *first Regent*
- 1583. Duncan Nairn
- 1585. Charles Lumisdail
- 1586. Adam Colt
- 1586. Alexander Scrimgeour
- 1587. Philip Heslop
- 1588. Charles Fermeor Fairholm
- 1589. Henry Charteris
- 1589. Patrick Sands
- 1594. George Robertson
- 1597. William Craig

- 1597. John Adamson
- 1598. James Knox
- 1598. Robert Scott
- 1601. Andrew Young
- 1603. James Reid
- 1604. David Munro
- 1606. Blase Colt
- 1607. James Fairley
- 1608. William King
- 1611. Andrew Stevenson
- 1625. Samuel Rutherford
- 1625. Robert Ranken
- 1626. Thomas Crawford
- 1626. John Brown
- 1631. Alexander Hepburn
- 1636. James Wyseman
- 1638. James Wright
- 1638. Robert Young
- 1639. Duncan Forrester
- 1644. William Tweedie
- 1644. James Pillans
- 1647. Andrew Suttie
- 1653. John Wishart
- 1665. George Sinclair
- 1666. John Wood
- 1667. William Paterson
- 1679. Gilbert M'Murdoch
- 1679. Andrew Massie

- 1680. Alexander Cockburn
- 1682. Robert Lidderdail
- 1684. Herbert Kennedy
- 1686. Thomas Burnet
- 1689. Alexander Cunningham
- 1690. William Law
- 1695. John Row
- 1695. William Scott
- 1701. Charles Areskine
- 1703. Robert Stewart
- 1707. Colin Drummond

Regents of Humanity, 1597-1708.

- 1597. John Ray
- 1606. Blase Colt
- 1611. Oliver Colt
- 1611. Robert Burnet
- Andrew Stevenson
- 1623. Samuel Rutherford
- 1626. Thomas Craufurd
- 1630. John Armour
- 1633. Alexander Gibson
- 1636. James Wyseman
- 1638. Robert Young
- 1644. James Pillans
- 1653. John Wishart
- 1656. William Forbes
- 1656. James M'Gowan
- 1658. Hugh Smith
- 1663. William Cumming
- 1665. Andrew Ross
- 1665. Thomas Bell
- 1676. Gilbert MacMurdo
- 1679. Alexander Cunningham
- 1689. John Drummond

Professors of Mathematics.

- 1620. Andrew Young
- 1640. Thomas Craufurd
- 1674. James Gregory
- 1683. David Gregory
- 1692. James Gregory
- 1725. Colin M'Laurin
- 1747. Matthew Stewart
- 1775. Dugald Stewart
- 1785. Adam Ferguson

- 1785. John Playfair
- 1805. John Leslie
- 1819. William Wallace
- 1838. Philip Kelland
- 1879. GEORGE CHRYSTAL

Professors of Humanity.

- 1708. Laurence Dundas
- 1728. Adam Watt
- 1734. John Kerr
- 1741. George Stuart
- 1775. John Hill
- 1806. Alexander Christison
- 1820. James Pillans
- 1863. William Young Sellar
- 1891. Harry Chester Goodhart
- 1895. WILLIAM ROSS HARDIE

Professors of Greek.

- 1708. William Scott, *one of the Regents.*
- 1729. William Scott, *secundus*
- 1730. Colin Drummond
- 1738. Robert Law
- 1741. Robert Hunter
- 1772. Andrew Dalziel
- 1805. George Dunbar
- 1852. John Stuart Blackie
- 1882. Samuel Henry Butcher
- 1903. ALEXANDER WM. MAIR

Professors of Logic and Metaphysics.

- 1708. Colin Drummond, *one of the Regents.*
- 1730. John Stevenson
- 1774. John Bruce
- 1786. James Finlayson
- 1808. David Ritchie
- 1836. Sir Wm. Hamilton, Bart.
- 1856. Alex. Campbell Fraser
- 1891. ANDREW SETH PRINGLE PATTISON

Professors of Moral Philosophy.

- 1708. William Law, *one of the Regents*

- 1729. William Scott
- 1734. John Pringle
- 1745. William Cleghorn
- 1754. James Balfour
- 1764. Adam Ferguson
- 1785. Dugald Stewart
- 1810. Thomas Brown
- 1820. John Wilson
- 1853. P. C. M'Dougall
- 1868. Henry Calderwood
- 1898. JAMES SETH

Professors of Natural Philosophy.

- 1708. Robert Stewart, *one of the Regents*
- 1742. John Stewart
- 1759. Adam Ferguson
- 1764. James Russell
- 1774. John Robison
- 1805. John Playfair
- 1819. Sir John Leslie
- 1833. James David Forbes
- 1860. Peter Guthrie Tait
- 1901. JAMES GORDON MAC-GREGOR

Professors of Hebrew and Semitic Languages.

(See Faculty of Divinity.)

Professors of History.

- 1719. Charles Mackie
- 1753. John Gordon
- 1754. William Wallace
- 1755. John Pringle
- 1780. Alexander Fraser Tytler
- 1801. William Fraser Tytler
- 1821. Sir William Hamilton
- 1837. George Skene
- 1842. James Frederick Ferrier
- 1846. Cosmo Innes
- 1874. Æneas Jas. Geo. Mackay
- 1881. JOHN KIRKPATRICK

- 1894. George W. Prothero
- 1899. RICHARD LODGE

Professors of Rhetoric and English Literature.

- 1762. Hugh Blair
- 1784. William Greenfield
- 1801. Andrew Brown
- 1835. George Moir
- 1840. William Spalding
- 1845. William Edmondstone Aytoun
- 1865. David Masson.
- 1895. GEORGE SAINTSBURY.

Professors of Sanskrit.

- 1862. Theodor Aufrecht
- 1875. JULIUS EGGELING

Professors of Political Economy.

(See also Faculty of Law.)

- 1871. W. B. Hodgson
- 1880. JOSEPH SHIELD NICHOLSON

Professor of Education.

- 1876. Simon Somerville Laurie
- 1903. ALEXANDER DARROCH

Professor of Fine Art.

- 1880. GERARD BALDWIN BROWN

Professor of Celtic Languages, &c.

- 1882. DONALD MACKINNON

Professor of Ancient History and Palæography.

- 1901. PETER HUME BROWN

FACULTY OF SCIENCE.

[As Constituted in 1893 by Ordinance No. 12 (General No. 7).]

This Faculty embraces the Chairs of Mathematics, Natural Philosophy, Botany, Anatomy, Chemistry, Physiology, Natural History, Astronomy, Agriculture, Engineering, Geology, and Public Health.

PROFESSORS IN THE FACULTY SINCE ITS INSTITUTION IN 1893.

For Professors of Mathematics and Natural Philosophy, see under Faculty of Arts. For Professors of Botany, Anatomy, Chemistry, Physiology, Natural History, Public Health, see under Faculty of Medicine.

Professors of Practical Astronomy.

- 1786. Robert Blair
- 1834. Thomas Henderson
- 1846. Charles Piazzi Smyth
- 1889. Ralph Copeland
- 1905. FRANK WATSON DYSON

Professors of Agriculture.

- 1790. Andrew Coventry
- 1831. David Low
- 1854. John Wilson
- 1885. ROBERT WALLACE

Professors of Engineering.

- 1868. Fleeming Jenkin
- 1885. George Frederick Armstrong
- 1901. THOMAS HUDSON BEARE

Professors of Geology.

- 1871. Archibald Geikie
- 1882. JAMES GEIKIE

Professor of Technology.

- 1855. George Wilson
- [Chair abolished in 1859.]

FACULTY OF DIVINITY.

This Faculty, the second in date, consists of the Chairs of Divinity, Hebrew and Semitic Languages, Ecclesiastical History, and Biblical Criticism and Antiquities.

PROFESSORS IN THE FACULTY OF DIVINITY SINCE 1620.

Professors of Divinity.

- | | |
|-------------------------|--------------------------|
| 1620. Andrew Ramsay | 1664. William Keith |
| 1627. Henry Charteris | 1675. Laurence Charteris |
| 1629. James Fairley | 1682. John Menzies |
| 1630. John Sharpe | 1683. John Strachan |
| 1648. Alexander Colvill | 1690. George Campbell |
| 1649. Samuel Rutherford | 1701. George Meldrum |
| 1650. David Dickson | 1709. William Hamilton |
| 1662. Patrick Scougall | 1732. James Smith |
| | 1733. John Gowdie |

- 1754. Robert Hamilton
- 1779. Andrew Hunter
- 1809. William Ritchie
- 1828. Thomas Chalmers
- 1844. John Lee
- 1859. Thomas J. Crawford
- 1876. Robert Flint
- 1903. WILLIAM PATERSON

Professors of Hebrew.

- 1642. Julius Conradus Otto
- 1656. Alexander Dickson
- 1679. Alexander Amedeus
- 1681. Alexander Douglas
- 1692. Patrick Sinclair
- 1694. Alexander Rule
- 1702. John Goodall
- 1719. James Crawford
- 1732. William Dawson
- 1751. James Robertson
- 1792. George Husband Baird
- 1793. William Moodie
- 1812. Alexander Murray
- 1813. Alexander Brunton
- 1848. David Liston

- 1880. David Laird Adams
- 1892. John Dobie
- 1895. ARCHIBALD ROBERT
STIRLING KENNEDY

Professors of Ecclesiastical History.

- 1702. John Cumming
- 1715. William Dunlop
- 1726. Matthew Crawford
- 1737. Patrick Cumming
- 1762. Robert Cumming
- 1788. Thomas Hardie
- 1799. Hugh Meiklejohn
- 1831. David Welsh
- 1844. James Robertson
- 1861. William Stevenson
- 1872. Robert Wallace
- 1876. MALCOLM CAMPBELL
TAYLOR

*Professors of Biblical Criticism and
Biblical Antiquities.*

- 1847. Robert Lee
- 1868. Arch. Hamilton Charteris
- 1898. JOHN PATRICK

FACULTY OF LAW.

To this Faculty belong eight Chairs, viz.:—Public Law, Civil or Roman Law, History (Constitutional, &c.), Scots Law, Forensic Medicine, Conveyancing, Political Economy, and Ancient History and Palæography.

PROFESSORS IN THE FACULTY OF LAW SINCE 1707.

Professors of Public Law.

- 1707. Charles Areskine
- 1734. William Kirkpatrick
- 1735. George Abercrombie
- 1759. Robert Bruce
- 1764. James Balfour
- 1779. Allan Maconochie
- 1796. Robert Hamilton
- 1832. * * *
- 1862. James Lorimer
- 1890. Sir LUDOVIC JAMES
GRANT, Bt.

Professors of Civil Law.

- 1710. James Craig
- 1732. Thomas Dundas
- 1745. Kenneth M'Kenzie
- 1755. Robert Dick
- 1792. John Wilde
- 1800. Alexander Irving
- 1827. Douglas Cheape
- 1842. A. Campbell Swinton
- 1862. James Muirhead
- 1889. Henry Goudy
- 1893. JAMES MACKINTOSH

Professors of History (Constitutional, &c.).

- 1719. Charles Mackie
- 1753. John Gordon
- 1754. William Wallace
- 1755. John Pringle
- 1780. Alex. Fraser Tytler
- 1801. William Fraser Tytler
- 1821. Sir William Hamilton
- 1837. George Skene
- 1842. James Frederick Ferrier
- 1846. Cosmo Innes
- 1874. Æneas Jas. Geo. Mackay
- 1881. JOHN KIRKPATRICK

Professors of Scots Law.

- 1722. Alexander Bayne
- 1737. John Erskine
- 1765. William Wallace
- 1786. David Hume
- 1822. George Joseph Bell
- 1843. John Schank More
- 1861. George Ross
- 1864. George Moir
- 1865. Norman Macpherson
- 1888. JOHN RANKINE

Professors of Forensic Medicine.

- 1807. Andrew Duncan, *secundus*.
- 1820. William Pulteney Alison
- 1822. Robert Christison
- 1832. Thomas Stewart Traill
- 1862. Sir Douglas Maclagan
- 1897. Sir Henry Duncan Littlejohn
- 1906. HARVEY LITTLEJOHN

Professors of Conveyancing.

- 1825. Macvey Napier
- 1847. Allan Menzies
- 1856. A. Montgomerie Bell
- 1866. James Stuart Fraser Tytler
- 1892. John Philp Wood
- 1900. JOHN LITTLE MOUNSEY

Professors of Political Economy.

- 1871. W. B. Hodgson
- 1880. JOSEPH SHIELD NICHOLSON

*Professor of Ancient History
and Palæography.*

- 1901. PETER HUME BROWN

FACULTY OF MEDICINE.

The Faculty consists of thirteen Chairs:—Botany, Physiology, Medicine, Anatomy, Chemistry, Midwifery, Natural History, Materia Medica, Surgery, Clinical Surgery, Forensic Medicine, Pathology, and Public Health. The Professors of Medicine, Materia Medica, Pathology, and Midwifery (or Diseases of Women), are also Professors of Clinical Medicine. Some of these Chairs were instituted in the seventeenth century, but it does not appear that the Medical School and Faculty of the University were established until the beginning of the eighteenth century.

PROFESSORS IN THE FACULTY OF MEDICINE SINCE 1676.

Professors of Botany.

- 1676. James Sutherland
- 1706. Charles Preston
- 1712. George Preston

Professors of Medicine and Botany.

- 1738. Charles Alston
- 1761. John Hope
- 1786. Daniel Rutherford

1820. Robert Graham
1845. John Hutton Balfour

Professors of Botany.

1879. Alexander Dickson
1888. ISAAC BAYLEY BALFOUR

Professors of Medicine.

1685. { Sir Robert Sibbald
James Halket
Archibald Pitcairne

*Professors of Institutes of Medicine
or Physiology.*

1724. William Porterfield
1726. { Andrew St Clair
John Rutherford
1747. Robert Whytt
1766. William Cullen
1773. Alex. Monro Drummond
1776. James Gregory
1789. Andrew Duncan
1819. Andrew Duncan, *secundus*
1821. William Pulteney Alison
1842. Allen Thomson
1848. John Hughes Bennett
1874. William Rutherford
1899. EDW. ALBERT SCHÄFER

Professors of Medicine.

1724. William Porterfield
1726. { Andrew St Clair
John Rutherford
1747. Robert Whytt
1766. John Gregory
1773. William Cullen
1790. James Gregory
1821. James Home
1842. William Pulteney Alison
1855. Thomas Laycock
1876. Sir Thomas Grainger
Stewart
1900. JOHN WYLLIE

Professors of Anatomy.

1705. Robert Elliot
1708. Adam Drummond
1716. John M'Gill

1720. Alexander Monro
1754. Alex. Monro, *secundus*
1798. Alexander Monro, *tertius*
1846. John Goodsir
1867. Sir William Turner
1903. DANIEL JOHN CUNNING-
HAM

*Professors of Chemistry and
Medicine.*

1713. James Crawford
1726. Andrew Plummer
1726. John Innes
1755. William Cullen
1766. Joseph Black
1795. Thomas Charles Hope

Professors of Chemistry.

1844. William Gregory
1858. Lyon Playfair
1869. ALEX. CRUM BROWN

Professors of Midwifery.

1726. Joseph Gibson
1739. Robert Smith
1756. Thomas Young
1780. Alexander Hamilton
1800. James Hamilton
1840. Sir J. Y. Simpson, Bart.
1870. Alex. Russell Simpson
1875. Sir JOHN HALLIDAY
CROOM

Professors of Natural History.

1770. Robert Ramsay
1779. John Walker
1804. Robert Jameson
1854. Edward Forbes
1855. George James Allman
1870. Sir Wv. T. C. Thomson
1882. JAMES COSSAR EWART

Professors of Materia Medica.

1768. Francis Home
1798. James Home
1821. Andrew Duncan, *secundus*
1832. Sir Robt. Christison, Bart.
1877. Sir THOMAS RICHARD
FRASER

Professors of Surgery.

- 1777. Alex. Monro, *secundus*
- 1798. Alexander Monro, *tertius*
- 1831. John William Turner
- 1836. Sir Charles Bell
- 1842. James Miller
- 1864. James Spence
- 1882. JOHN CHIENE

Professors of Clinical Surgery.

- 1803. James Russell
- 1833. James Syme
- 1869. Joseph Lister
- 1877. THOMAS ANNANDALE

Professors of Forensic Medicine

(See Faculty of Law.)

Professors of Pathology.

- 1831. John Thomson
- 1842. William Henderson
- 1869. W. R. Sanders
- 1881. WM. SMITH GREENFIELD

Professors of Military Surgery.

- 1806. John Thomson
- 1823. Sir George Ballingall
[Chair abolished.]

Professor of Public Health.

- 1898. CHAS. HUNTER STEWART

FACULTY OF MUSIC.

Reid Professors of Music

- 1839. John Thomson.
- 1841. Sir Henry Rowley Bishop
- 1844. Henry Hugh Pearson

- 1845. John Donaldson
- 1865. Sir Herbert Stanley
Oakeley
- 1891. FREDERICK NIECKS

The Principal is a member of this Faculty *ex officio*, and Professor Kirkpatrick was appointed a member by the Senatus.

GENERAL COUNCIL OF THE UNIVERSITY.

The Chancellor, the Members of the University Court, the Professors, and the Graduates, are entitled to be registered as Members of the General Council. The fee for registration is £1.

The Register, now containing 9870 Members, is conclusive of the rights of persons to be Members up to 1st January 1907. By the Universities Elections Amendment (Scotland) Act all candidates for graduation must pay the Registration Fee before they can appear for graduation.

Under the Universities Act of 1858, and the Commissioners' Ordinance No. 1, section 3, the Council meets twice a year—viz., on the *first Wednesday of May*, and on the *last Friday in October*, at three o'clock P.M., “to take into their consideration all questions affecting the well-being and prosperity of the University, and to make representations from time to time on such questions to the University Court, who shall consider the same, and

return to the Council their deliverance thereon." All proposed improvements in the arrangements of the University "shall be submitted to the University Council for their consideration."

By the Universities Act 1889, besides the two statutory meetings above mentioned, the Council "may hold special meetings at the instance of the Chancellor, who shall convene such meetings on a requisition from a quorum of members, and the Council may adjourn any meeting, and may appoint Committees to investigate into and report upon any matter remitted to them or to carry out instructions given to them by the Council." The Commissioners under this Act have fixed the quorum of the General Council at ten for every thousand or fraction of a thousand of members on the register, but this provision does not apply to the statutory half-yearly meetings, or to adjourned meetings.

The General Council recommend that, in the case of an Election of Assessors by the Council, the names and designations of persons to be proposed for the office, together with the names and designations of the proposers and seconders of such persons, shall be intimated to the Secretary at least ten days before the meeting of the Council at which the election takes place.

At the meetings of the General Council, in the absence of the Chancellor, Rector, and Principal, the Chancellor's Assessor, and in his absence the Rector's Assessor shall preside; and in the absence of all of these, a Chairman shall be elected by the meeting, but no member of *Senatus* can preside at any meeting held for the election of an Assessor or Assessors. The Chairman shall decide all points of order, and has a deliberative and a casting vote; and in case of an equality of votes at the conclusion of a poll, the Chairman, or any one appointed by the University Court to act for him, shall have a casting vote.

The General Council of this University, and that of the University of St Andrews, together return a Member of Parliament.

The *Chancellor* of the University and *four of the Assessors* in the University Court are elected by the Council. The Chancellor holds office for life, and the Assessors for four

years. Two of the Assessors retire biennially, but may be re-elected. In case of a casual vacancy the person elected to fill it retires when the person whom he succeeded would in ordinary rotation have retired. No member of the Senatus can vote or take part in the election of any Assessor of the General Council. The next election of two Assessors will take place at the statutory half-yearly meeting in *October 1907*.

Members of the General Council may borrow books from the Library and have out at one time five volumes on payment of an annual fee of 10s. 6d., or a single payment of £5; or may have ten volumes on payment of an annual fee of £1, 1s., or a single payment of £10.

Two Standing Committees are appointed by the General Council—viz., a Business Committee and a Finance Committee. The Conveners are:

Business Committee—David D. Buchan, M.A., LL.B.

Finance Committee—Thomas J. Millar, M.A., LL.B. (*Interim Convener*).

STUDENTS' REPRESENTATIVE COUNCIL.

Presidents—J. B. Forbes Watson, M.A.; S. S. Dykes; A. H. Scott. *Joint Hon. Secretaries and Treasurers*—O. Russell, M.A., 26 Park Road, Trinity; E. Burnet, B.A., 4 Fingal Place. *Hon. Auditor*—James Walker, C.A.

The Students' Representative Council was founded in 1884. Its functions are—(1) To represent the Students in matters affecting their interests; (2) To afford a recognised means of communication between the Students and the University authorities; and (3) To promote social life and academic unity among the Students. The Council is elected annually in November, partly by the Students of the different Faculties, and partly by the recognised Students' societies. The Ordinary Meetings are held in November, December, January, February, March, May, June, July, and October. At the November meeting an executive committee is elected, consisting of the three presidents, two secretaries and treasurers, and eleven other members, representing the five Faculties. The Council

also carries out its work by means of the following Standing Committees :—The Inter-Universities, Library, Amusements, *Student*, International Academic and Women's Committees. During the Winter Session it publishes weekly a University Magazine.

The Commissioners, acting under the Universities Act 1889, have issued an Ordinance to the following effect :—

- (1.) The Students' Representative Council shall submit to the University Court the regulations under which it exists, and these regulations as approved shall form the constitution of the Students' Representative Council.
- (2.) After the University Court has approved of the constitution, alterations must receive the approval of the University Court.
- (3.) 1. The Council may petition the Senatus as to any matter affecting the teaching and discipline of the University, and the Senatus shall dispose of the matter, or shall, if so prayed, forward such petition to the University Court, with such observations as it may make thereon.
 2. The Council may petition the University Court as to any matter affecting the Students other than those falling under sub-section 1.
 3. This Section shall not prejudice any right of appeal under Section 6, sub-section 2, of the said Act, nor the powers and jurisdiction of the Senatus, as to teaching and discipline.

MATRICULATION.

University Matriculation consists in signing the Sponsio Academica, the Student thus entering his or her name in the Album of Students of the University, and in paying a fee of £1, 1s. for the academic year (1st Oct. to 1st Oct.), or a fee of 10s. 6d. for a Summer Session (1st May to 1st October). No person shall be deemed to be a Matriculated Student or shall enjoy any of the privileges of a Matriculated Student unless, in addition to paying the matriculation fee, he is enrolled as a Student in attendance in one or more classes in the University, and has paid the fees entitling him to such attendance: Provided that nothing herein contained shall affect the right of the University Court to exact a fee in lieu of and not exceeding the matriculation fee from any candidate for any examination or for graduation, not being at the time a Matriculated Student, in addition to the fee payable for such examination or graduation. No one can attend a University Class without matriculating, except in those special cases in which an Entrance Fee of 5s. only is exacted (see page 32).

The Matriculated Students elect the Rector of the University. In case of an equality of votes, the Chancellor, or failing him,

the Principal, has the casting vote. Students are also admitted to the use of the University Library, and on certain days to the Museum of Natural History.

Candidates for Graduation who are attending Extra-Academical Lectures in Edinburgh, and not attending Classes within the University, must, at the beginning of each year, enrol their names in a book kept for that purpose, and pay a Fee of the same amount as the Matriculation Fee. In respect of such payment they have a right to use the University Library.

Sponsio Academica signed by students on matriculating :—

QUOD FAUSTUM FELIXQUE SIT. A. D.—

Ego Universitatis Academicæ Edinburgensis Discipulus sincerè ac sanctè promitto quod et syngrophâ hac meâ in perpetuum testatum cupio, mihi ante omnia cordi ac curae futurum veræ pietatis studium ; me etiam in assuetis academici curriculum studiis sedulum fore, ut adolescentem bene institutum decet ; et quamdiu in illo curriculo permansero praeceptoribus omnibus morigerum memet praestitutum, nec ullius dissidii aut tumultus clam palamve vel auctorem vel participem futurum, et per reliquam vitam Universitatem Academicam Edinburgensem ipsam grato et benevolo animo prosecuturum, idque omnibus officiis pro facultate mea et occasione data testaturum esse.

MATRICULATIONS (1st May 1905 to 1st May 1906).

FOR SUMMER SESSION 1905 :—

I. Faculty of Arts	.	.	.	.	.	.	23
II. Faculty of Science	.	.	.	.	.	.	33
III. Faculty of Divinity	.	.	.	.	.	.	...
IV. Faculty of Law	.	.	.	.	.	.	7
V. Faculty of Medicine	.	.	.	.	.	.	20
							83

FOR YEAR (1st May to 1st May) :—

I. Faculty of Arts	.	.	.	.	.	.	954
II. Faculty of Science	.	.	.	.	.	.	259
III. Faculty of Divinity	.	.	.	.	.	.	52
IV. Faculty of Law	.	.	.	.	.	.	310
V. Faculty of Medicine	.	.	.	.	.	.	1475
VI. Faculty of Music	.	.	.	.	.	.	26
							3076

Total Matriculations (1st May 1905 to 1st May 1906) 3159

NON-MATRICULATED EXTRA-ACADEMICAL GRADUATION
STUDENTS (1st May 1905 to 1st May 1906).

I. Faculty of Medicine :—

Year (1st May to 1st May) 85

UNIVERSITY ENTRANCE FEE FOR NON-MATRICULATED STUDENTS

The University Court may admit non-Matriculated Students to any Class, on payment of an Entrance Fee (fixed at 5s.) in addition to the Class Fee ; but such attendance (1) will not qualify for Graduation, (2) nor entitle the Student to a Certificate of Attendance, (3) nor confer any other University privilege.

Courses which may be attended under this Regulation :—

Fine Art, short additional Courses on.
 Procedure and Evidence.
 Mental Diseases.
 Diseases of the Eye.
 Clinical Instruction on Diseases of Children.
 Comparative Embryology.
 Forestry.
 Agricultural Entomology.
 Music Classes.
 Practical Pathological Bacteriology.
 Experimental Pharmacology.
 Italian Language and Literature.
 Celtic (for Classes not qualifying for Graduation).
 German Lit. and Prose Comp. Courses, twenty lectures each.
 French History and Literature Courses, twenty lectures each.
 Advanced Practical Physiology.
 Physics for non-Graduation Women Students of Medicine.
 Diseases of Tropical Climates.
 Mackay Lectures and other non-Graduation Courses on History,
 by Mr D. P. Heatley.
 Garton Lectures on Colonial and Indian Agriculture.
 Ancient History (Scottish) and Palæography.
 Engineering Junior Course second half of Winter Session —
 (strength and elasticity of materials).
 Geology for non-Graduation Agricultural Students.
 Military Subjects.
 Lectures on Dairying.
 Applied Anatomy.
 Special Lectures on Engineering Lab. work.

Number of Non-Matriculated Students who have paid the Entrance Fee
 1st May 1905 to 1st May 1906 90

Other Courses may be sanctioned under this Regulation.

DISCIPLINE.

Students are subject to the disciplinary jurisdiction of the Senatus. Among offences visited with severe academic penalties may be mentioned riotous or disorderly conduct, copying at examinations, and mutilating or disfiguring books belonging to the Library.

UNIVERSITY EXAMINERS.

The Examiners for Degrees are the Professors of, or Lecturers on, the different subjects, along with additional Examiners appointed by the University Court. As a general rule, no Professor, Lecturer, or University Assistant or Demonstrator can be appointed an additional Examiner.

GRADUATION CEREMONIALS.

The relative precedence of each Faculty is as follows:—1. Divinity; 2. Law; 3. Medicine; 4. Arts; 5. Science; 6. Music. The Deans take precedence in their respective Faculties, followed by the Members of their Faculties in the order of the dates of their Commissions.

Public Graduation Ceremonials are held annually about the middle of April (chiefly for Divinity, Law, Arts, Science, and Music), and about the end of July (for Medicine and Science). A special Ceremony is usually held about the end of October (chiefly for Degrees in Medicine).

Graduates must appear on these occasions in Academic Costume.

ACADEMIC COSTUME.¹

Chancellor.—Robe of Black Brocaded Satin, trimmed with Gold Lace, and with Gold Frogs down fronts and on sleeves. Black Silk Velvet Trencher, with Gold Button and Tassel.

Vice-Chancellor.—Robe and Trencher same as Chancellor's, but trimmed with Silver in place of Gold.

Rector.—Black Silk Gown, with Crimson Silk Velvet Sleeves. The gown is trimmed round the collar and down the front edges with Broad Gold Lace, and the sleeves round bottom with a narrower Gold Lace. Black Silk Velvet Trencher, with Gold Button and Tassel.

¹ Graduates are requested to appear for Graduation wearing one hood only—viz. the one which indicates the Degree they are about to receive.

Principal.—Mauve Corded Silk Robe trimmed with Velvet to match. Black Silk Velvet Trencher, with Gold Button and Tassel.

Members of University Court.—Black Silk Robe, open sleeve, with Gold Frog on each sleeve.

With all of the above, Hoods appropriate to the Degree are worn.

The ordinary form of Gowns worn by Graduates of the University is the same in all the Faculties—viz., black silk or stuff, with long sleeves. The distinctive part of the costume is in the *Hood* appropriated to each Faculty. These Hoods are as follow :

LL.D.—Black *cloth*, lined with *blue* silk.

LL.B.—Black *silk*, lined with *blue* silk, bordered with white fur.

B.L.—Black *silk*, edged with *blue* silk three inches broad, trimmed with white fur.

D.D.—Black *cloth*, lined with *purple* silk.

B.D.—Black *silk*, lined with *purple* silk, bordered with white fur.

M.D.—Black *cloth*, with appended cape, lined and faced with *crimson* silk.

Ch.M.—Black *velvet*, lined with *golden* silk.

M.B. and Ch.B.—Black *silk*, lined with *crimson* silk, bordered with white fur.

D.Sc.—Black *cloth*, lined with *green* silk.

B.Sc.—Black *silk*, lined with *green* silk, bordered with white fur.

M.A.—Black *silk*, lined with *white* silk.

D.Litt.—Black *cloth*, lined with *royal blue* and *maize shot* silk.

D.Phil.—Black *cloth*, lined with *Vesuvius* and *white shot* silk.

Mus.D.—Rich scarlet *cloth*, with rich *white* corded silk lining.

Mus.B.—Scarlet *silk*, with *white* silk lining, edged with *white* fur.

The full Academic Dress for Doctors is a Gown of superfine Scarlet Cloth, loose sleeves, the cape and facings down the front covered, and the sleeves lined, with rich silk of the colour proper to the Degree. Birretum of black silk velvet.

REGULATIONS OF THE UNIVERSITY COURT.

I.—REGULATIONS as to the performance of the DUTIES OF PROFESSORS, UNIVERSITY LECTURERS, UNIVERSITY ASSISTANTS AND EXAMINERS, during their temporary absence or disability.

(a) *Professors.*

1. When a Professor is prevented from teaching his Class for more than three successive days, an arrangement shall be made for his Class being taught during his absence; and such arrangement shall be intimated to, and be subject to the approval of, his Faculty or, in the case of an emergency, the Dean of his Faculty.

2. No arrangement for teaching a Class in the absence of the Pro-

fessor shall continue longer than one week without the sanction of the Senatus Academicus ; or, if there be no sufficiently early meeting of the Senatus, without the *interim* sanction of the Faculty, or of the Principal and Deans Committee.

3. If the absence is likely to extend to four weeks or upwards, the sanction of the Senatus shall require the confirmation of the University Court. The statement of the arrangement for teaching a Class in the absence of a Professor, submitted by the Senatus to the University Court, shall specify the remuneration proposed to be given to the Professor's Substitute, which shall be subject to revision by the University Court.

4. The remuneration as fixed by the Court shall be paid by the Professor to his Substitute, unless the Court shall, in any particular case, decide that special circumstances make it equitable to relax the rule, and to pay part of the remuneration out of the remaining revenue (if any) of the University for the year, as defined in Section XI., 8, of Ordinance No. 27 [Edinburgh, No. 6].

5. No Professor shall employ any one other than a Colleague or University Lecturer or University Assistant to teach his Class for him, without obtaining the sanction of his Faculty or, in the case of an emergency, the Dean of his Faculty ; and such sanction shall be communicated to the Senatus at its first meeting thereafter.

(b) *University Lecturers.*

1. When a Lecturer is prevented from performing the work of his office for more than three successive days, he shall arrange for its performance during his absence ; and the arrangement made by him shall be intimated to, and be subject to the approval of, either the Head of his Department, or the Dean of his Faculty, as the case may require.

2. No such arrangement shall continue longer than one week without the sanction of the Senatus Academicus ; or, if there be no sufficiently early meeting of Senatus, without the *interim* sanction of the Faculty, or of the Principal and Deans Committee.

3. If the absence is likely to extend to four weeks or upwards, the sanction of the Senatus shall require the confirmation of the University Court. The statement of the arrangement submitted by the Senatus to the Court shall suggest, for the consideration of the Court, the amount of remuneration to be given to the substitute.

4. The remuneration of the substitute, as fixed by the Court, shall be charged to the Lecturer unless the Court shall, in any particular case, decide that special circumstances make it equitable to relax the rule, and to pay a part, or the whole, of the remuneration out of the remaining revenue (if any) of the University for the year as defined in Sect. XI., 8, of Ordinance No. 27 [Edinburgh, No. 6].

(c) University Assistants.

1. When an Assistant is prevented from performing the work of his office for more than three successive days, an arrangement shall be made, subject to the approval of the Head of his Department, for its performance during his absence.

2. No such arrangement shall continue longer than one week without the sanction of the Dean of the Faculty to which such Assistant belongs.

3. If the absence is likely to extend to four weeks or upwards, the sanction of the Senatus Academicus shall also be required. When the arrangement involves the payment of remuneration to a Substitute, a suggestion as to amount shall be submitted by the Senatus to the University Court.

4. The remuneration of the Substitute, as fixed by the Court, shall be charged to the Assistant, unless the Court shall, in any particular case, decide that special circumstances make it equitable to relax the rule, and to pay a part, or the whole of the remuneration out of the remaining revenue (if any) of the University for the year, as defined in Section XI., 8, of Ordinance No. 27 [Edinburgh, No. 6].

(d) Examiners.

1. Any University Examiner who finds himself prevented from being present at any Examination at which it is his duty to act, shall intimate this to the Dean or other Chairman of his Examining Board, who, on receiving such intimation, or otherwise becoming aware of the absence of the Examiner, shall, if possible, appoint a properly qualified Substitute to act for such Examiner.

2. In every case in which a person is appointed to act as Substitute for a University Examiner, and in which his Faculty, or Examining Committee, shall consider it necessary that the Substitute shall receive remuneration, the rate of remuneration to be paid by the Examiner (whether a Professor or Additional Examiner) to his Substitute shall be fixed by the Faculty, or Examining Committee, and shall be based upon the amount of the Fees payable to the Additional Examiners attached to the Faculty or Examining Committee.

3. All absences of University Examiners, their duration and cause, and the relative arrangements made, shall be immediately reported for approval to the Senatus Academicus by the Chairman of the Board to which the absent Examiner is attached; and a similar Report shall in every case of the absence of a University Examiner be made by the Senatus Academicus to the University Court; provided always that such arrangements shall receive immediate effect when circumstances do not permit the previous approval of the Senatus Academicus to be obtained.

4. In every case in which a Professor shall apply for leave of absence from his duties generally, provision shall be made, under the

existing Regulations regarding leave of absence to Professors, for the performance of his duties as Examiner, as well as for the performance of his duties as Teacher ; and provision shall be made for the remuneration of his Substitute in both capacities.

II.—APPLICATIONS FOR ADDITIONAL (OR NON-PROFESSORIAL)
EXAMINERSHIPS IN THE UNIVERSITY.

1. Applicants should lodge twenty copies of their applications (one of which should be signed), and twenty copies of any testimonials they may desire to present, with the Secretary of the Court, not later than one week before the day fixed for making appointments in each case.

2. Applicants who send in testimonials must not send more than four for any one appointment.

3. Persons may be appointed to examine in two of the thirteen Subjects of the Examinations for Graduation in Medicine, but not more, and not in more than one Subject in any one Division of the Examinations.

4. Every applicant for an appointment in Divinity must hold the degree of B.D. from a Scottish University.

Every applicant for an Examinership in Law must be a Bachelor of Laws of a Scottish University.

III.—OPENING OF NEW CLASSES.

No class in addition to those existing in the University shall at any time be opened,—whether for the purpose of dividing the course on a subject necessary for graduation, or for teaching a class not requisite for graduation,—without the approval of the Senatus and the sanction of the University Court.

IV.—RECOGNITION OF EXTRA-ACADEMICAL TEACHERS.

1. Every applicant for recognition shall furnish for the information of the Authorities of the University :—

- (1.) A Statement of his Registered Qualification or Qualifications, and of the name of the Office, or Appointment (if any) which he holds, as a Teacher of the Subject in which he requests recognition.
- (2.) A Syllabus of his Course of Lectures ; or, in the case of a Practical Class, information of a similar kind.
- (3.) A Statement of the number of Lectures, and of the number of Written or Oral Examinations in the Course ; or, in the case of a Practical Class, information of a similar kind.
- (4.) A Short Description of his Accommodation for a Class ; and of the Apparatus, Illustrative Specimens, Diagrams, and other appliances, at his disposal for teaching the Subject in which he desires recognition.
- (5.) A Statement of his opportunities of studying the Subject, and of the length of time devoted thereto.

- (6.) A Statement of the experience he has had in teaching the Subject.
 - (7.) A Note of the Titles of his published Contributions to the Science of the Subject.
 - (8.) A Statement as to whether his Course or Courses of Instruction have been already recognised by any University or other examining body, and, if so, what means were adopted for ascertaining his qualifications for teaching.
2. In the case of every Applicant for recognition residing in Edinburgh or its neighbourhood, an inspection shall be made of his teaching Appliances and Accommodation for teaching.
3. Every recognised Extra-Academical Teacher shall annually furnish the University with the information regarding his Course or Courses which is required from the University Professors as to (1.) The number of Students attending the recognised Course or Courses of Instruction; (2.) The number of meetings for ordinary Class Work in the Session, and in each week thereof; (3.) The number of Special Written Examinations; (4.) The system of conducting the ordinary Class Work, and the number of meetings devoted to each kind of work.
4. The Certificate of Attendance granted to Students by recognised Extra-Academical Teachers, should, in all cases, state the duration of the Course and the number of Meetings for Systematic, Tutorial, and Practical Instruction, respectively; the number of occasions on which attendance was ascertained, and the number of those occasions on which the Student was present; and the number of Class Examinations held during the Course, and whether or not the Student has taken a satisfactory part in the work of the Course, including the Class Examinations, if any. The Certificate should also state the general scope of the Course; and, in particular, in the case of Chemistry, that the Course included Organic as well as Inorganic Chemistry; in the case of Midwifery, that it included the diseases of Women and Children; and, in the case of Practical Materia Medica, that it included Pharmacognosy, Pharmacy, Dispensing, and the writing of Prescriptions.
5. When application is made for the recognition of a Course taught by two or more Teachers in conjunction, information shall be given of the share to be taken by each Teacher in such conjoined Course; and the recognition of such conjoined Courses, and of each of the persons recognised as Teachers of a conjoined Course shall, *ipso facto*, terminate should one or more of the Teachers cease to conduct the Course, or should any material change be made in the share of each Teacher in the teaching of the conjoined Course.
6. The recognition of any Teacher who fails to furnish the information called for in Section 3, or an explanation relative to such failure; or who has ceased for the period of two consecutive Sessions to teach the subject on which he is recognised, shall, *ipso facto*, terminate.

University Buildings.

THE University Buildings at present consist of: (1) The College, or University (Old) Building, with Dome, in South Bridge Street; (2) The New Buildings (School of Medicine), Teviot Place; (3) The Music Class Room, Park Place; (4) The John Usher Institute of Public Health, Warrender Park Road; and The Engineering Department, Infirmary Street.

I.—THE UNIVERSITY (OLD) BUILDING.

The Old Building, on the site of “Kirk o’ Field,” the scene of the murder of Darnley, contains the Library and Reading Rooms; the Class Rooms of the Faculties of Arts, Divinity, and Law, the Natural History, and some other Science Class Rooms; the Theological Library and Reading Room; the Examination Hall; the Physical, and the Geological and Petrological Laboratories; the Fulton Engineering Laboratory; the Physical, Geological, Fine Art, and Natural History Museums; the Senate Hall, University Court Room, and the Offices of the Senatus, the Court, and the Students’ Representative Council.

The work of teaching began in 1583, but before the end of the eighteenth century, the professors and students had been very imperfectly housed. In a Memorial, dated 1768, Principal Robertson complains that the buildings, “poor in themselves, seem not to have been carried on according to any regular plan, such as takes place in other academical structures which have been erected on more opulent foundations; and hence the whole fabric has a mean, irregular, and contemptible appearance.” At that time the number of students was between six and seven hundred, and that of professors twenty-one.

Twenty years later a writer in the “Scots Magazine” complains that “in 1788 the buildings of the University are in the same ruinous condition that they were in in 1768, and the most celebrated University at present in Europe is the worst accom-

modated." A scheme for rebuilding, often discussed, was now taken up seriously by the Town Council, encouraged by promise of liberal aid from Government. A plan was obtained from Robert Adam, then at the height of his reputation, and the foundation stone of "the New College of Edinburgh" was solemnly laid on 16th November 1789.

Adam's original plans, preserved in the Soane Museum in London, divide the space now occupied by the College buildings into two quadrangles, a smaller to the east, entered as now from South Bridge Street, and a larger beyond it to the west, with a block of academic buildings lying between. This arrangement was doubtless suggested by the rapid rise of the ground from north-east to south-west. Round these two courts there were to be Class Rooms, Museums, a Library, and also houses for the Principal and Professors. The western side of the larger court was to be occupied by a Graduation Hall and Chapel; and the great quadrangle was to be flanked with corridors, affording communication between the class-rooms. The building, begun chiefly on the eastern and northern sides, was, however, soon stopped by the death of the architect in 1792, and by failure of funds. In 1815 a Government Commission was appointed to collect funds and to carry out the undertaking, though in a modified form. They invited plans "for finishing the College of Edinburgh, on a reduced scale, leaving out the south front, and the cross building, which formed the small court in the original plan,—regard being always had to the part already executed, and to the preservation of the architecture of Mr Adam, as far as practicable." Out of nine sets of plans sent in, those of William Henry Playfair were selected, and under his superintendence the work was practically completed in 1828, at a total cost of about £161,000.

The general character of the whole design is due to Robert Adam. Some portions were erected by him, or completed after his death from his drawings. In other parts some modification of his plans and elevations was necessary, while a third portion had to be designed anew by Playfair, who was careful to conform to Mr Adam's design. The handsome eastern façade,

with its monolithic columns 22 feet in height, was erected by Adam, who intended to have embellished it with a certain amount of sculpture. He also erected the north-west corner of the great court, of which the circular Loggie form an admired feature, carried out part of the north side, and began the western block. Playfair threw the two courts into one, and designed the north and south interior elevations anew. In the western block he adhered to Adam's designs ; but the interior treatment of the block, fitted up for the Natural History Museums, is his own ; and the "Upper Museum," now the Natural History Laboratory, is a good specimen of his style. The "circular corners" designed by Adam for his great court were retained by Playfair for his single quadrangle. On the exterior, the north front is Adam's, and its plainness is due to the fact that only a narrow lane instead of the broad Chambers Street then bounded the College on that side. Adam's handsome design for the south front was simplified by Playfair, but is still superior to the north elevation.

The difficulty of the levels in the quadrangle was satisfactorily overcome by Playfair by surrounding the court with a terrace, which affords a suitable architectural base for the noble buildings rising above it. But Playfair's great achievement is the Library Hall, a fine gallery 185 feet by 54 feet, with an arched ceiling enriched with cassettes.

The general effect of the buildings is simple and dignified. The material is mainly Craigleith stone, and the detail carving is well worked out. The single quadrangle, measuring 242 feet 6 inches from east to west, by 134 feet from north to south, is a great improvement on the original plan of 1789, though the essentials of the design are due to Adam. The interior elevations of the quadrangle, especially on the west, and the eastern front to South Bridge Street, may safely be pronounced excellent specimens of the neo-classic style.

THE DOME.

Adam's original design provided for a Dome over the eastern portal, but as his sketch was not very pleasing, no steps were

taken to carry out this feature until 1883, when funds came into the possession of the University, bequeathed for this purpose by Robert Cox, Esq., W.S. It was then determined to carry out the Dome on a new design by R. Rowand Anderson, LL.D., Architect of the University New Buildings (School of Medicine). The present Dome, though less purely classical than the Adam-Playfair building, is pleasing and effective. An admirable finial is formed by a vigorous and athletic figure of Youth, bearing the torch of Knowledge, executed in bronze by John Hutchison, Esq., R.S.A. The Dome now contains the Fine Art Museum.

II.—THE UNIVERSITY NEW BUILDINGS.

(SCHOOL OF MEDICINE.)

In 1869 the number of students had risen to fifteen hundred, and that of the Professors to thirty-three, while there were seventeen Class Rooms only for their use. A Committee was therefore formed in 1873, and an appeal was made to the public for subscriptions for the purchase of a site for and the erection of complete Class Rooms, Theatres, Laboratories, and Museums for the Faculty of Medicine ; for reorganising the Class Rooms in the Old Building for the Faculties of Arts, Divinity, and Law ; for providing better accommodation for the Library ; for erecting a Hall for examinations and academic ceremonies ; and for improving the north front of the College building.

This appeal to the public yielded a sum of £148,548, 2s. 5d., which, with a grant of £80,000 from Government, and interest, rents, &c., amounted to £244,587, 4s. 8d.

These buildings (the University New Buildings), begun in 1878, were partly opened for teaching purposes in October 1880, and after their completion, were transferred by the Committee to the University in October 1888. They are situated on a site formerly covered by Teviot Row, Park Street, and Park Place, and were designed by R. Rowand Anderson, LL.D., Architect, and completed under his supervision.

They contain the Lecture Rooms, &c., of the Faculty of Medicine (excepting those of Botany, Natural History, and Public Health), the Museums of Practice of Physic, Anatomy,

Chemistry, Obstetrics, Materia Medica, and Surgery; a Students' Reading Room, Students' Common Room, Faculty of Medicine Reception and Reading Rooms, and Office of the Faculty.

The style of architecture is Italian of the Cinque-Cento period, intermediate between the Gothic and the stiff Palladian work, which aims at a mere manipulation of the five orders. The main frontage presents a slightly projecting elevation, pierced by the archway which forms the principal entrance. Over the arch is an ornate window, flanked by pilasters, between which are niches for statuary; and the whole is surmounted by a bold semi-circular pediment, intended to be occupied with sculpture. The façade is three storeys in height except in the projecting west wing, which has an additional floor. On the ground floor the windows are square. Above these runs a well-marked string-course ornamented with dentils. The first-floor windows are round-headed and furnished with architraves. Next comes a broad frieze relieved at intervals with circular panels. Over this the string-course is repeated; and the upper-floor windows are separated by pilasters, and divided by shafts supporting circular tracery. The wall is finished at the top with architrave, frieze, and cornice, and crowned with a low-pitched roof. The external features have of course been influenced by the internal arrangements.

The Hughes Bennett Physiology Laboratory was erected in 1901 by Mrs Cox of Gorgie, at a cost of £2800, in memory of her father, the late John Hughes Bennett, M.D., Professor of Physiology in the University, 1848-1874. It is in direct connection with the other Physiology Laboratories, and consists of a large laboratory equipped with the most modern appliances for practical work, a small theatre for demonstrations of experiments which the students cannot perform individually, and a room used for the demonstration of microscopic specimens.

III.—THE M'EWAN HALL.

In 1885, the Acting Committee for the University of Edinburgh Buildings Extension Scheme resolved to apply to Parliament for power to acquire property adjoining the

University as a site for a University Hall. Certain members of the Committee were incorporated as Trustees for this purpose, and one of their number, Mr William M'Ewan, M.P., munificently offered to contribute the sum required for the erection of the Hall, on condition that the cost of the site was provided from other sources. A Parliamentary grant of £8000 was obtained, and Mr M'Ewan having generously provided the balance required, the site was purchased. The erection of the "M'Ewan Hall" so named by the Senatus Academicus in grateful recognition of the Donor, was begun in 1888 and finished in 1897, from the designs and under the superintendence of R. Rowand Anderson, LL.D. The total cost of the Hall including the extensive scheme of mural painting executed by Mr William M. Palin, and the Grand Electric Organ, was about £115,000, and as an architectural monument it is not excelled by any Academic building in the country.

The Hall is of theatre form, and the external elevation conforms to the architectural style of the early Italian Renaissance adopted in the other University New Buildings. It is capable of holding upwards of 2600 people, and is used for Academic Ceremonials, Concerts of a high-class, and other functions approved by the University Court.

IV.—THE JOHN USHER INSTITUTE OF PUBLIC HEALTH.

Following upon the foundation of the Chair of Public Health, it was found that the accommodation available in the University Buildings for the thorough teaching of the subject and for investigation was totally insufficient. Sir John Usher, Bart., who had contributed largely to the endowment of the Chair, offered to provide such a sum as might be necessary to build and equip laboratories and class rooms in connection therewith, on condition that the University should provide the site. A site was secured in Warrender Park Road, and the building was erected from plans prepared by Messrs Leadbetter &

Fairley, architects, and completed under their supervision at a cost of over £21,000. The exterior, in its architectural features, shows a treatment of the Classic Renaissance detail. The interior is equipped with the most modern appliances for teaching and research work in Bacteriology and Chemistry. The Institute, which was formally handed over to the University by Sir John Usher in June 1902, has been named, in grateful acknowledgment of his munificent gift, "The John Usher Institute of Public Health."

V.—THE ENGINEERING DEPARTMENT.

The new block of buildings for the Engineering Department at High School Yards was completed in the winter session 1905-6. The block of buildings is T-shaped. On the ground-floor of the west front are provided, in addition to the entrance hall, a large laboratory for the testing of materials and a large hydraulics laboratory. In connection with the hydraulics laboratory a water tower was constructed at the south-east angle of the building. The floor above these two laboratories is devoted mainly to a large laboratory for experimental mechanics, to a class-room, which is used for advanced classes, and also as a reading-room attached to the departmental library. The rest of the space on this floor is devoted to rooms for the staff, lavatories, etc. The back block of the building is also divided into two floors: the lower floor forms the large lecture theatre of the department, and the upper floor, which has been arranged to have only north lights, forms a large drawing office. An extensive workshop has been provided by roofing in and connecting to the main building a site at the north-east corner lying between the front and back blocks of the main building. A full account of these new buildings is published as an Appendix to the CALENDAR of 1906-7.

VI.—REID SCHOOL OF MUSIC.

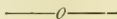
The School of Music, situated immediately to the south-east of the University New Buildings, was built in 1858, from the designs of the late David Cousin. It contains the Music

Class Room, with an organ of four manuals and sixty-six stops, in a handsome carved oak case ; and a Museum of interesting acoustic and antique musical instruments.

The architecture of the building is in the Italian Renaissance style of the early part of the sixteenth century.

VII.—UNIVERSITY UNION.

This building, which occupies the site in Park Place, close to the M'Ewan Hall, is held by trustees for the members. Its institution dates from the year 1884, when the Students' Representative Council started the movement. A large influential "General Union Committee" was appointed, who succeeded in raising the sum of £15,000. With this amount the original buildings of the Union were erected. In 1900, however, an extension was found necessary, which, so far, has been carried out by instalments, the last of which will be completed this year. Part of the extension occupies the site of the famous "Ross House," referred to by Sir Walter Scott in "Redgauntlet." The extension will entail an additional expenditure of £22,000, thus raising the total cost to £37,000. The original buildings, which are Scottish Baronial in style, were designed by Messrs Sydney Mitchell & Wilson, architects, and the extension has been planned by them in keeping therewith. The exterior is treated with large mullioned and transomed and cusped windows, which form a marked feature of the building. See Appendix No. III.



Unibersity Library.

LIBRARY COMMITTEE.

THE Library Committee consists of not more than seven members, not being members of the Senatus, appointed by the University Court, and of such number appointed by the Senatus as shall be double the number appointed by the Court. The Committee is charged with the superintendence of the Library, and of any libraries acquired, or to be acquired, for the

use of the University. The members of the Committee are appointed by the University Court and the Senatus respectively at their first meeting in the Winter Session.

Principal Sir WILLIAM TURNER, K.C.B., &c. &c., } *Joint Chairmen.*
THOMAS M'KIE, Advocate,

Professor EGGELING, } *Joint Conveners.*
J. BURGESS, C.I.E., LL.D.,

Professor Hudson Beare ; Professor Baldwin Brown ; Professor Crum Brown ; Professor Hume Brown ; Emeritus Professor Flint ; Professor Kirkpatrick ; Professor Mackinnon ; Hew Morrison, Esq. ; Professor Niecks ; Professor Paterson ; Professor Saintsbury ; Professor Schäfer
Professor Wyllie.

In 1580 Mr Clement Littil or Little left his books to "Edinbvrgh and Kirk of God thair to reman." This collection of about 300 volumes, chiefly theological (see list in *Miscellany of the Maitland Club*, vol. i., 1834), was transferred by the Town Council to the University, and became the nucleus of the University Library.

The celebrated Poet, Drummond of Hawthornden, bequeathed his library to the University in 1627—a valuable gift, both from the eminence of the donor, and the rare specimens of early literature it embraces (see *Auctarium Bibliothecæ Edinburgense* 1627).

Among noteworthy donors are Principal Adamson ; Dr Robert Johnston, a physician in London ; the Rev. James Nairne of Wemyss, in Fife ; Dr John Stevenson, Professor of Logic and Metaphysics in the University ; and Dr William Thomson, Professor of Anatomy in the University of Oxford. In 1872, Mr J. O. Halliwell, the eminent Shakespearean critic, presented his very valuable collection of works relating to Shakespeare. In 1875 a large collection of Persian and Arabic MSS. was presented by Mr J. B. Baillie of Leys ; in 1879 an extensive collection of MSS. was received from the executors of David Laing, LL.D. ; in 1880 the works on Economic Science collected by Professor Hodgson were presented by Mrs Hodgson ; in 1882

valuable works on Sanskrit Literature were presented by the family of Dr John Muir ; and in 1886 Mr Thomas Stratton bequeathed 110 works bearing on the study of Celtic. In 1889 Sir William Mackinnon, Balinakill, purchased the books of Dr Cameron of Brodick, an eminent Celtic scholar, for £600, for presentation to the University ; and the same year the Library received a valuable collection of MS. Shakespeariana from Dr Halliwell-Phillipps, and a number of books belonging to the late Professor Wilson, from Mrs Wilson. A "Lorimer Collection," in memory of the late Professor Lorimer, was presented by his son-in-law, Sir David P. Chalmers. In 1895 Professor Blackie left to the Library his collection of modern Greek books ; and important additions were received from the Goodsir bequest, and from Major Sprot, as representative of the late Dr Cleg-horn of Stravithie. In 1898 Sir William Fraser left a very handsome legacy to the Library, putting it for the first time since the General Reid Bequest ceased to be separately administered, in possession of funds of its own.

The Library contains over 200,000 printed volumes, and about 7500 MSS., many of which are of great value.

The University also possesses a number of valuable pictures and busts, which adorn the Library and the Senate Hall.

The Library Hall, and the suite of rooms connected with it, occupy the south side of the quadrangle (Old Buildings).

In 1895 the following Library Regulations were laid down by Ordinance (No. 64) :—

I.

II.

III. All books ordered for the Library by the Library Committee shall be sent direct to the Librarian, and all books received by him shall be forthwith catalogued by him in such manner as the Library Committee may direct, and stamped with the Library stamp ; and no person shall be allowed to use or borrow any book until it has been entered in the catalogue and stamped.

IV. The Librarian shall, with the approval of the Library Committee, from time to time prepare a list of such books, manuscripts, and other works as cannot, in consequence of any deed of gift or otherwise, be lent out of the Library ; and the Library Committee shall from time to time make such regulations as they shall think expedient for allowing access to such works for consultation.

V. Manuscripts, rare books, works of reference, and such other works as the Library Committee shall determine, shall not be lent out of the Library, except under regulations to be made by the Library Committee and approved by the Senatus Academicus and the University Court; and, in addition to such general regulations, the Library Committee may, in each individual case of borrowing such works, impose such special conditions as they may think necessary or expedient: Provided always that every such special permission and all such additional conditions imposed by the Library Committee shall be entered in the Minute-Book of the Committee.

VI. It shall be in the power of the Librarian at any time to withdraw any work from circulation, subject to appeal to the Library Committee.

VII. It shall be in the power of the University Court, after consultation with the Senatus Academicus, and on the report of the Library Committee, to sell or exchange such works as they consider it in the best interests of the Library to dispose of.

VIII. A general inspection of the Library shall take place at such times and during such periods as the University Court, on the report of the Library Committee, shall determine, and all works whatsoever, and by whomsoever borrowed, shall be returned to the Library before the commencement of such periods, under a penalty previously fixed and publicly notified by the University Court.

IX. The Library Committee shall frame regulations to be approved by the University Court, under which the persons hereinafter mentioned may respectively borrow or consult books. Such regulations shall prescribe, *inter alia*, (a) the number of books which the said persons shall be entitled to borrow; (b) the period for which they shall be allowed to retain them; (c) the penalties to be imposed in the event of their failure to return books in due time, or in the event of books being lost or injured.

The persons entitled to borrow books shall be:—

1. Members of the Senatus Academicus and University Lecturers.
2. University Assistants and Examiners.
3. The Librarian and Assistant-Librarians.
4. Matriculated Students.
5. Extra-academical Teachers, recognised by the University Court, in the town in which the University is situated.
6. Students enrolled in any Scottish University as attending the lectures of extra-academical teachers in the town in which the University is situated, and who are already entitled by Ordinance to the use of the Library.
7. Persons who have retired or who shall hereafter retire from the office of Principal or Professor.
8. Members of the University Court.
9. Members of the General Council.

Provided that no member of the University Court or of the General Council shall be entitled to obtain from the University Library books required by the Teachers or Students of the University in the prosecution of academic work and research, and that it shall be in the discretion of the Librarian, subject to appeal to the Library Committee, to decide from time to time what books are so required.

In fixing the number of books to be borrowed by the aforementioned persons respectively, due regard shall be had to the preferable claims of those engaged in teaching and studying in the University.

X. Members of the General Council shall be required, as a condition of exercising the privilege of borrowing books, to pay such subscription as the University Court shall fix from time to time.

XI. The University Court shall determine what sum, if any, shall be deposited by those entitled to borrow books.

XII. The Library Committee, with the approval of the University Court, may admit to the use of the Library, upon such conditions as to subscription and otherwise as they may require, members of the General Council of other Scottish Universities and Graduates of the University who, by reason of being under the age of twenty-one years, are not qualified to be members of the General Council.

XIII. It shall be in the power of the Library Committee from time to time to grant the use of the Library to such extent and on such conditions as they shall think expedient to persons who may not be members of the University, for purposes of literary research, and the names of those privileged readers shall be reported annually to the University Court.

XIV. So long as any Library subscription or any fine incurred remains unpaid, and so long as any person continues in possession of a book which he is not entitled to retain, the right of the defaulter to the use of the Library shall be suspended and remain in abeyance.

XV. The Library Committee shall, in an annual report to the Senatus Academicus, furnish information as to :

1. The state in which the borrowing registers are kept, and whether there is in use any finding list or other means for facilitating the recall of books.
2. The condition of the various catalogues, whether they are brought up to date or not; the amount of arrears, if any, of the cataloguing of the titles of current acquisitions; and what portions of the Library, if any, remain uncatalogued.
3. The amount of money spent in the purchase of books and periodicals respectively, and how the expenditure has been distributed among the several departments of literature and science.

XVI. At such time as shall be fixed by the Senatus Academicus the Librarian shall report to the Senatus in reference to the year then ended :

1. The particulars of every case of admission to special reading privileges.
2. The particulars of every case in which the right to the use of the Library has been suspended or is in abeyance.
3. Every case in which a book belonging to the Library has been replaced at the expense of a borrower.
4. The titles of all books belonging to the Library, known to have been lost or seriously injured, or found at the time of inspection to be amissing.
5. The titles of all books entered as missing in previous reports which have been recovered.
6. The number of accessions to the Library acquired by purchase and received in donation respectively.

7. Any other matter which the Librarian may think it of importance to bring under the notice of the Senatus Academicus, or which he may be directed by the Library Committee to report.

The Senatus Academicus shall forward the report to the University Court.

XVII. Ordinances numbered 68 and 89 of the Commissioners under the Universities (Scotland) Act, 1858, are hereby repealed, provided that the regulations therein contained shall continue to be in force in each University until new regulations have been framed by the Library Committee, and approved by the University Court under the provisions of this Ordinance.

SUPPLEMENTARY REGULATIONS UNDER ORDINANCE 64, XVII.

I. The Library is open on Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays, from 10 A.M. to 4 P.M. during the Winter Session ; from 10 A.M. to 3 P.M. during the summer and autumn ; and on Saturdays from 10 A.M. to 1 P.M. throughout the year ; with the following exceptions :—

During the Christmas Vacation and the month of August the Library is open on the above-mentioned days (exclusive of Saturdays) from 10 A.M. to 1 P.M. only.

The Library is closed on Saturdays during the Christmas Vacation and the month of August ; Victoria Day, Christmas Day, New Year's Day, Good Friday, the Saturday before Easter, and the Edinburgh Spring and Autumn Holidays ; and (except for the return of books) during the Annual Inspection (see Regulation IX.).

II. Members of the undermentioned classes of readers may borrow from the Library and have out at one time, respectively, the number of books specified below, but no larger number (except as provided in Regulation VII.):

Members of Senatus and University Lecturers—25 vols.

Former Principals and Professors, Members of the University Court and the Library Committee, University Assistants, University Examiners, and the Librarian—10 vols.

Members of the General Council of any Scottish University, and extra-academical teachers recognized by the University, on an

annual payment of 10s. 6d., or a single payment of £5—5 vols. : on an annual payment of £1, 1s., or a single payment of £10—10 vols.

Assistant-Librarians and Clerks in University Offices (being of age)—5 vols.

III. No person shall be allowed to borrow books in more than one capacity.

IV. Subject to the provision as to the return of books before the Annual Inspection (Regulation X.), every member of the classes mentioned in Regulation II. is entitled to retain a book for one month : but this period may be prolonged until the time of the Annual Inspection, if the book is not otherwise required under Regulation VI. Provided that the Librarian may recall a book at any time, if required for class purposes.

V. Every Matriculated Student and every student enrolled as attending an extra-academical teacher in Edinburgh (under Ord. No. 16, Edinburgh, No. 1, Sect. viii., Sub-sect. 5) may borrow and have out at one time three volumes, but not more, and may retain any book for two weeks ; but this period may be prolonged, with the permission of the Librarian, if the book is not otherwise required under Regulation VI. Provided that every such student, before borrowing a book for the first time in each academical year, must exhibit his Matriculation Ticket, and one Class Ticket, and deposit £1 at the Matriculation Office ; after which his name will be enrolled in the Library Books. Provided also that the Librarian may recall a book at any time, if required for class purposes.

VI. When a borrower has had a book out for a period (as determined by Regulations IV. and V.) of one month or two weeks, as the case may be, the Librarian may recall such book, if required by another person. If the book so recalled be not returned on or before the day specified on the notice of recall, the borrower shall be liable to a fine of one shilling per volume ; and to a further fine of sixpence per volume for every subsequent day so long as the book is not returned,

until the total amount of the fine is equal to the sum for which the book can be replaced. Provided that, in the case of students, only half the above-mentioned fines shall be required, until the total amount is equal to the value of the book.

VII. In exceptional cases, the Library Committee may increase the number of books allowed by Regulations II. and V., or extend the periods fixed by Regulations IV. and V.; provided that in every such case the additional number or period be specified, and entered in the Committee's minutes, and that the Committee may attach to the permission such conditions as it may deem advisable.

VIII. No book shall be given out except to the borrower in person, or to some one having written authority from him; nor without the presentation of a Library Ticket, or a written request, signed by the borrower: and all books borrowed shall be entered immediately, with the date of borrowing, in the ledger or ledgers kept for the purpose.

IX. A General Inspection of the Library shall take place annually during the month of April, and shall last for one week. During this period the Library shall be closed, except for the return of books.

X. All books, except as provided for by Regulation XI., must be returned to the Library before the commencement of the General Inspection, under a penalty of one shilling for every volume not returned. Notice of each book not so returned shall be sent forthwith by the Librarian to the borrower, requiring its return before the close of the Inspection; and if the book or books so required be not returned on or before that date, the borrower shall be liable to a fine of sixpence a day for each volume so long as it is not returned, until the total amount of the fine is equal to the sum for which the book can be replaced. Provided that, in the case of students, only half the above fines shall be required, until the total amount is equal to the value of the book.

XI. In exceptional cases, the Library Committee may, before

the commencement of the General Inspection, and on the written application of the borrower, give permission to keep out a book or books over one period of Inspection only, provided that the borrower sign a fresh ticket for them.

XII. All books returned to the Library, if not sent by rail or post, must be delivered, at the Library-counter, to the Librarian or one of the Assistant-Librarians ; and a receipt for books so returned shall be given if required.

XIII. Unbound numbers of periodicals shall remain for consultation in the Library during the first month after publication ; they may then be borrowed, but shall not be retained longer than fourteen days without the special permission of the Librarian.

XIV. Manuscripts, books, and other works contemplated under Ordinance 64, Section iv., are divided into two classes. Those in class (*a*) may be consulted with the permission of the Librarian, who shall report such permission to the Library Committee at their next meeting ; those in class (*b*) may not be consulted without the leave of the Library Committee previously obtained. Works included in either class shall be consulted only in such parts of the Library as the Librarian shall determine.

XV. Manuscripts, books, and other works contemplated under Ordinance 64, Section v., are divided into two classes, viz. : (*a*) works of reference, (*b*) manuscripts and other works. Works comprised in class (*a*) may be lent out by the Librarian from the hour of closing to the next hour of opening (except during the Annual Inspection), subject to a penalty of two shillings a day per volume if not returned. Manuscripts and other works comprised in class (*b*) may be lent out by permission of the Library Committee only, subject to such conditions as the Committee may in each case determine. Provided that, in urgent cases, such works (not being manuscripts) may be provisionally lent out by the Librarian and two members of the Library Committee, subject to the approval of the Com-

mittee at their next meeting, and to such conditions as the Committee may in each case determine.

XVI. All fines shall be collected by the Librarian, and paid over by him to the Factor of the University. A report of names and amounts shall be made annually by the Librarian to the Library Committee. No fine shall in any case be remitted, except by order of the Library Committee, on sufficient cause shown.

XVII. No books or papers not belonging to the University shall be stored within the Library Building, without the special permission of the Library Committee.

XVIII. The use of matches or open lights, in any part of the Library Building, is strictly prohibited.

XIX. No persons except the Library Staff, not being actual or former members of the Senatus, University Lecturers, members of the University Court or of the Library Committee, or persons having permission under Regulation XIV., are allowed to enter or remain in any part of the Library Building beyond the counter, except in the company of the Librarian or an Assistant-Librarian; unless by special permission of the Library Committee, or (in urgent cases) of the Librarian and two members of the Committee, subject to the approval of the Committee at their next meeting.

XX. The Librarian shall report to the Library Committee, as soon as possible, all cases in which a book has been mutilated, disfigured by writing, or otherwise injured while in the possession of readers; and offenders may be required to replace the injured book, or may be fined to an amount not exceeding the value of the book, or deprived of the privilege of using the Library, at the discretion of the Committee.

N.B.—The word “book,” in the foregoing regulations, is to be taken as including manuscripts, pamphlets, bound or unbound periodicals, and other written or printed matter being the property of the University Library.

READING-ROOMS.

I. OLD BUILDINGS.

A separate collection of books is set apart for the use of Students.

Those wishing to consult books must insert in one of the slips provided for the purpose their Matriculation Number, Name and Residence, and the title of the Book, and present the slip to the Librarian in attendance.

Each slip will render the person who has signed it responsible for the book named. The counterfoil of the slip should, therefore, be reclaimed from the Librarian when the Book is returned, or whenever the Book applied for is not available.

Every volume must be returned by the borrower before leaving the Reading-Room. Students are forbidden to leave the Books on the table ; they are required to hand them to the Librarian, and to get back the counterfoils. To prevent confusion, this should be done a few minutes before the close of each hour by those about to attend classes.

Besides the books in the Reading-Room, each Student may consult in the Reading-Room Two Volumes daily from the General Library : Provided he has handed in slips applying for them on the previous day, before 2 P.M. To such books the same rules will apply as to those consulted from the Reading-Room.

No conversation or noise is permitted in the Reading-Room.

The Librarian is responsible for the management of the Reading-Room. Any difficulty that may arise must be referred to him, or, if necessary, through him to the Library Committee.

Students, on first applying for books in the Reading-Room, must exhibit their Matriculation Tickets.

All books taken into the Reading-Room from the General Library shall be examined and returned to their place in the General Library each day. No books shall be issued from the General Library, for use in the Reading-Room, after 3.20 in Winter or 2.30 in Summer ; and all books from the General Library shall be given up in the Reading-Room at 3.45 in Winter and 2.45 in Summer.

The Reading-Room is available for either men or women Students. It is open daily, holidays excepted, during the Winter Session from 10 to 4 and from 8 to 10 P.M.; Saturdays 10 to 1; and during the Summer Session from 10 to 3; Saturdays 10 to 1.

A Special Reading-Room is set apart for women students.

II. NEW BUILDINGS.

In the New Buildings is a Students' Reading-Room containing Books of Reference for those attending the Classes in the Faculty of Medicine. The Regulations as to consulting Books are similar to those in the Reading-Room in the Old Buildings. It is open daily, during Sessions, from 9 A.M. to 5, and 8 to 10 P.M.; Saturdays, 9 A.M. to 12. In September and during the week in which the Spring Holiday occurs (Saturday excepted) it is open from 10 A.M. to 1. It is closed during August and the Christmas vacation, and on holidays.

THEOLOGICAL LIBRARY.

This Library, founded in 1698 for Students in Theology, contains above 10,000 volumes. The management is vested in six Curators, chosen by ballot by the "Cives" of the Library from their own number. Students of Divinity of this or other Scottish University are admitted as Cives on paying: the former, two shillings and sixpence; the latter, five shillings, per annum. No one who, when a Student of Divinity in this University, failed to enter as a Civis, may afterwards do so until he has paid up the arrears of two shillings and sixpence for each year of his Theological Course in which he failed to pay. No Civis can be elected a Curator unless at least in the second year of his attendance at the Divinity Hall. The election takes place in the second week of December, one-third of the Curators going out annually by rotation. The Curators elect one of their own number to be Treasurer. The Curators and Treasurer report the state of the funds, &c., to the Cives, the Theological Faculty, and the Senatus. The books purchased are selected by the Curators, subject to the approval of

the Faculty of Divinity. The Professor of Divinity, who if *ex officio* Honorary Librarian, annually appoints an acting Librarian. Books may not be kept out of the Library longer than two months.

SELLAR AND GOODHART CLASSICAL LIBRARY.

This Library was instituted by private subscription in October 1897, in memory of Professors Sellar and Goodhart. It is used as a reading-room and library of reference for Students reading for Honours in Classics. It contains nearly 1000 volumes, and is managed by a Committee consisting of the Professors of Greek and Latin, the Assistants to the Professors, and five representatives elected by the Members. Subscription for year, 6s. ; for Winter Session, 5s. ; for Summer Session, 3s.

HONOURS PHILOSOPHICAL LIBRARY.

This Library was instituted by private subscription in January 1897. It is used both as a Lending Library and as a Library of Reference for Honours Students ; and is managed by a Committee consisting of the Professors of Logic and Moral Philosophy, the Assistants to the Professors, and two representatives elected by the Honours Classes. Subscription for year, 5s. ; for Winter or Summer Session, 3s. There are also Class Libraries in connection with the ordinary classes of Logic and Moral Philosophy.

HISTORY LIBRARY.

This Library, founded by Professor Kirkpatrick in 1891, and greatly extended by a donation of £100 from the late Professor Tiele of Leyden, Gifford Lecturer in 1896-98, is open to Students in both the Ordinary and the Honours Classes in General and Constitutional History and Political Science. It is used mainly as a Library of Reference and a Reading-room, and is superintended by the Assistant in History.

PHYSIOLOGY LIBRARY.

The late William Rutherford, M.D., Professor of Physiology or the Institutes of Medicine in the University from 1874 to 1899, bequeathed to the Senatus Academicus all his books and periodicals relating to Physiology and allied subjects, on condition that they should be deposited in the Physiological department of the University in charge of the Professor of Physiology.

It is proposed to continue the periodicals and to add to the Library by donation or otherwise as opportunity may occur. The books have been placed in a suitable room in the department of Physiology, which is used as a Library of Reference and Reading-Room for those who are engaged in Research work in Physiology: and the books may be consulted at any time on application to the Professor or to one of the assistants in the department who have special charge of the Library.

ASTRONOMY LIBRARY.

A sum of about £300 was subscribed in order to perpetuate the memory of the late Mr Andrew J. Ramsay, for the formation and endowment of a Library in the Royal Observatory for the use of Students attending the class of Astronomy.

HONOURS MODERN LANGUAGES LIBRARY AND READING-ROOM.

The French section of this Library was founded in 1900 by private subscriptions. For the German section a sum of £500 was given by Miss T. S. S. Gibson in 1901. The Reading-Room, furnished partly from private subscriptions, was opened in November 1901. The Library and Reading-Room are under the management of the Lecturers in Modern Languages and the Librarians appointed by them. Subscription for year, 6s.; for Winter Session, 5s.; for Summer Session, 3s.

NATURAL PHILOSOPHY LIBRARY.

The Natural Philosophy Library, including collections of books which formerly belonged to the late Professor Tait and

Mr A. B. Shand, and presented by Mrs Tait and the parents of Mr Shand respectively, is used as a Reference Library by Laboratory students.

ENGINEERING LIBRARY.

The Engineering Departmental Library, which includes the Transactions of a large number of the leading Engineering Societies in Great Britain and America, is housed in the new Engineering buildings, and is available as a Reference Library for Engineering students.

MUSIC LIBRARY.

This Library of music and books on music owes its existence to bequests, donations, and especially the Reid Fund. Professor John Thomson, Théophile Bucher, and the Scottish Musical Society may be mentioned as, next to General Reid, the chief benefactors. It is used as a Reference Library and Reading-Room, its management being in the hands of the Professor of Music.

PORTRAITS AND BUSTS IN THE SENATE HALL, LIBRARY, COURT ROOM, ANATOMICAL MUSEUM, MUSIC CLASS ROOM, AND DOME.¹

I. PORTRAITS.

There are twenty-seven Portraits of Benefactors, Principals, Professors, and others, by Raeburn, Sir John Watson Gordon, and other Artists, in the Senate Hall, four in the Library, sixteen in the University Court Room, and one in the Music Class Room.

Portraits presented since 1890.

In Senate Hall.

James Lorimer, M.A., LL.D., Dr Jur., Professor of Public Law (1862-1890).

Joseph Black, M.D., Professor of Chemistry and Medicine (1766-1795).

Lord Playfair, Professor of Chemistry (1858-1869).

¹ There is a separate printed Catalogue of the Portraits and Busts in the University, and of the Torrie Collection. A detailed Catalogue will also be found in the Calendar for 1890-91, p. 61, as well as in the previous Calendars.

In Court Room.

General Sir Joseph Straton, Benefactor of the University.
John Wyllie, C.B., M.D., Physician General, Madras Army.
Miss Eleanor A. Ormerod, LL.D.
Professor Tiele, Gifford Lecturer (1896-1899).
William Prout, M.D., F.R.C.P., F.R.S.
R. H. Gunning, M.D., of Edinburgh and Rio de Janeiro.
Donald Ross, M.A., F.R.S.E.

In Midwifery Retiring-Room.

Sir James Young Simpson, Bart., M.D., D.C.L., Professor of Midwifery (1840-1870).

II. BUSTS.

There are forty Busts in the Upper Library Hall, two in the Anatomical Museum, and one in Room in Dome.

In order to honour and perpetuate the names of Benefactors who have founded Scholarships, Bursaries, or new Chairs in the University, the University authorities have made arrangements for placing their Busts or Portraits in the Library and University Court Room.

Regarding as Benefactors the eminent Professors who have elevated the character of the University by their writings or discoveries, the University desires to procure Portraits or Busts of James and David Gregory, Colin Maclaurin, Matthew Stewart, Dr Cullen, Dr James Gregory, Dr Alison, Sir Chas. Bell, Lord Woodhouselee, Dr Thos. Chas. Hope, Professors Ross, Macdougall, Muirhead, Sellar, Campbell Fraser, Sir Thomas Grainger Stewart, and Professor Laurie.

Busts presented since 1890.

In Library Hall.

Rt. Hon. John Inglis, D.C.L., LL.D., Lord Justice-General, Chancellor of the University (1868-1891).

John Rae, M.D., LL.D., Arctic Explorer.

James Miller, M.D., LL.D., &c., Professor of Surgery in the University (1842-64).

John Goodsir, F.R.S., Professor of Anatomy in the University (1846-1867).

David Masson, M.A., LL.D., Professor of Rhetoric and English Literature (1865-95).

Sir Douglas MacLagan, M.D., LL.D., Professor of Medical Jurisprudence (1862-1897).

In Students' Reading Room.

Sir William Muir, K.C.S.I., D.C.L., &c., Principal of the University (1885-1903), by Charles M'Bride, presented by Subscribers.

Thomas Carlyle, Rector of the University (1865-1868).

Lord Brougham, by Christopher Moore.

In Physiology Department.

John Hughes Bennett, M.D., Professor of Physiology (1848-1874).

William Rutherford, M.D., F.R.S., F.R.S.E., Professor of Physiology in the University (1874-1899).

Thomas Chalmers, D.D., Professor of Divinity (1828-1843), by Sir John Steele, R.S.A. (subject to liferent of Miss Chalmers).

TORRIE FINE ART COLLECTION.

Sir James Erskine of Torrie, by a Will, dated April 1834, bequeathed to the University his Pictures, Bronzes, and Marbles, "for the purpose of laying a foundation for a GALLERY for the encouragement of the Fine Arts." The collection is at present temporarily deposited in the National Gallery until funds can be obtained for its suitable display in the College, and for carrying more fully into effect the intentions of the testator.

The Pictures, forty-five in number, include choice specimens of the works of different Masters, especially in the Flemish and Dutch Schools. The Marbles, seventeen in number, and twenty-three Bronzes, have been chosen with a correct appreciation of the merits of this department, and the whole collection reflects credit on the taste and public spirit of Sir James Erskine.

Museums.

A MUSEUM COMMITTEE, consisting of three members, not being members of the Senatus, appointed by the University Court, and of six appointed by the Senatus, is charged with the superintendence of all Museums belonging to the University, and of any collections, furniture, or apparatus, or objects acquired for the use of the University or of any class therein. The members are appointed by the University Court and Senatus respectively at their first meeting in the Winter Session of each year.

Members of Committee appointed by the University Court.

Sir James Alexander Russell, M.A., M.B., C.M., B.Sc. ; Sir Patrick Heron Watson, M.D. ; Joseph Bell, M.D.

Appointed by the Senatus Academicus.

Professors Geikie (*Convener*), Sir Thomas R. Fraser, Greenfield, Schäfer, MacGregor, Cunningham.

Of the following Museums several belong partly or wholly to the Professors of the respective subjects :—

1. NATURAL PHILOSOPHY MUSEUM. A large collection of physical apparatus, including many pieces of great historical interest.

2. MUSIC AND MUSICAL INSTRUMENTS.—A very interesting and valuable collection of acoustic and musical instruments.

3. GEOLOGICAL MUSEUM.—For class purposes, showing the characters of minerals and rocks, and the typical fossils of the different geological systems.

4. FINE ART MUSEUM.—A small collection of casts, photographs, and drawings, in the Dome above the portal, illustrating the main points in the history of classical art.

5. PHYSIOLOGICAL MUSEUM.—A large collection of Physiological Instruments, Microscopes and Microscopical Appliances, Diagrams, and Preparations.

6. PRACTICE OF PHYSIC MUSEUM.—Pathological specimens, drawings, models, diagrams, etc.

7. ANATOMICAL MUSEUM.—Founded in 1800 by Dr Monroe, *secundus*, who presented his own Anatomical Collection, and that of his father, to the University, “to be used by his successors for the purpose of demonstrating and explaining to the Students the structure, physiology, and diseases of the human body.” In 1859, Sir David Monroe, M.D., presented a collection of anatomical preparations, formed by his father, Dr Alexander Monroe, *tertius*. Numerous additions were also made by Professor Goodsir, especially in the department of Comparative Anatomy, on whose death the Senatus purchased his Private Museum, and added it to the Collection. The Museum was transferred in 1884-85 to the New University Buildings, where it is arranged in a large and handsome Hall with two galleries. This Hall was designed by Sir R. Rowand Anderson in consultation with Sir William Turner, who, during his tenure of office as Professor of Anatomy in the University, made many additions to the Collection and also rearranged it in its transfer to the New Buildings. The Museum now contains several thousand specimens in illustration of Human Anatomy, both normal and

pathological, and of Comparative Anatomy. It is specially distinguished by its specimens illustrative of the anatomy of the Cetacea and by its very large collection of Human Crania from all parts of the world. Its extension in both of these directions was effected by Sir William Turner.

The Conservator will gratefully receive contributions of rare and interesting specimens from Graduates and former Students. He is especially desirous of making the collection thoroughly representative of the osteology of the different Races of Men.

The Museum is open at certain hours to all matriculated students. The pathological collection occupies the upper gallery. The spirit-preparations in illustration of normal Human and Comparative Anatomy are arranged in the lower gallery. The osteological collection is disposed in the cases on the floor, and suspended in the centre of the Hall. In 1887 the Henderson Trustees committed to the custody of the Conservator their valuable collection of crania and casts.

8. CHEMISTRY MUSEUM.—Professor Playfair, afterwards Lord Playfair, on his resignation of the Chair of Chemistry, presented to the University the chemical substances he had used in illustrating his lectures. The collection has been increased by gifts from chemical manufacturers and others, and by substances prepared in the University Laboratory.

9. THE OBSTETRICAL MUSEUM, besides a few preparations left by Professor Hamilton, contains instruments, preparations, models, and diagrams, collected by Sir James Y. Simpson, and added to by Professor A. R. Simpson, to whom they belong.

10. THE MUSEUM OF NATURAL HISTORY.—The old Museum, established in 1812 in the University, contained Zoological, Geological, and Mineralogical Collections, formed chiefly by Professor Jameson, for fifty years Professor of Natural History and Regius Keeper of the Museum. In 1854 it was transferred by the Town Council, then the Patrons of the University, to Government, and removed to the Natural History Department of the New Museum of Science and Art, where it is still accessible to Students of Natural History and Geology.

A Zoological Museum is now being formed in the University. Graduates and others interested will greatly aid in this important undertaking by presenting specimens to the Keeper—the Professor of Natural History.

11. MATERIA MEDICA MUSEUM.—One of the most complete collections of medicinal and food substances in this country, founded by Professor Andrew Duncan. His successor, Sir Robert Christison, added many valuable specimens, mounted for the most part by himself with singular neatness. The present Professor has made extensive additions. The Museum has been greatly enriched by interesting donations from former members of the Class in all parts of the world. There is also a Students' Reading Museum, containing specimens of the medicinal substances used in this country, formed and arranged by the present Professor.

12. SURGICAL MUSEUM.—This collection, formed by Professor Spence, has been largely extended by the present Professor, to whom it belongs. Many additions have been made, both of pathological preparations and of plaster and gelatine casts, illustrative of Surgical Anatomy and Pathology. A complete catalogue may, on application, be consulted by practitioners of medicine.

ROYAL BOTANIC GARDEN, ARBORETUM AND MUSEUM.

The Royal Botanic Garden, Inverleith Row, is connected with the University, in so far as the Professor of Botany delivers his Lectures in the Hall in the Garden.

The Garden is open daily. Specimens of plants for study are supplied to Students so far as practicable.

The Botanical Museum in the Garden is open to Students daily, and the University Herbarium, which is placed in the Garden, may be consulted between 10 and 1, and 2 and 5, under the direction of the Professor or the Curator.

The Botanical Laboratory in the Garden is open daily for work and original research.

MILLPORT MARINE STATION.

This marine station, in which a table has been rented by the University, is open from April to October. Applications for the use of the table should be sent to the Dean of the Faculty of Science. Each applicant should indicate for what period he desires to occupy the table and the nature of the work he proposes to undertake.

Faculty of Arts.

Dean.—PROFESSOR CHRYSTAL, LL.D.

Students who do not intend to graduate in Arts may attend any of the Classes on payment of the Matriculation and the Class Fees, without having passed any Preliminary Examination. Those who wish their Classes to count for Graduation must pass the Preliminary Examination. The Classes in the Faculty are open to Women, except a few in which provision has not yet been made for teaching them. Provision has, however, been made to admit Women to Graduation in Arts who have received the requisite instruction at the Medical College for Women, Chambers Street, Edinburgh, or from Lecturers specially recognised for that purpose, in the subjects in which classes are not open to them in the University.

The Classes will be opened as follows, and will meet daily (Saturdays excepted), unless otherwise stated. They will meet for the last time before the Christmas vacation on Friday, 21st December 1906; will re-assemble on Tuesday, 8th January 1907, and will be closed on Thursday, 28th March 1907. Courses in the Faculties of Law, and of Medicine, which qualify for Graduation in Arts, close on 15th and 22nd March respectively.

The Class Fees are collected by the Factor. For the purpose of receiving Fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and Fees not then paid will be taken at his office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of The Collector of Class Fees, Edinburgh University.

See as to payment of Class Fees by the Carnegie Trust, page 164.

The Annual Graduation Ceremonial in Arts, &c., will be held on Friday, 12th April 1907.

Programme of Classes.

WINTER SESSION, 1906-1907.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
I.—DEPARTMENT OF LANGUAGE AND LITERATURE.			
Latin ²³	16 Oct., 10 o'cl.	} Prof. Hardie	£ s.
Honours Latin.....	18 Oct., 12 „		4 4
			3 3

¹ Fees for second, third, and subsequent attendances, see page 76.

² Students who wish to take the Classes of Latin, Greek, French or German as qualifying for Graduation in Arts, must have previously passed in Latin (Higher Standard), Greek (Higher Standard), French or German respectively, either as part of their Preliminary Examination or in addition thereto.

³ This Course may be divided into two Half-Courses. Fee for each, £2, 2s.

WINTER SESSION, 1906-1907—continued.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
I.—DEPARTMENT OF LANGUAGE AND LITERATURE—continued.			
Greek ²³	16 Oct., 11 o'cl. }	Prof. Mair	£ s.
Honours Greek	18 Oct., 10 „ }		4 4
Ancient History (Honours Half- Course) }	17 Oct., 11 „ }	{ G. H. Stevenson, M.A. }	3 3
Classical Archæology (Honours Course) <i>Mon., Wed., Fri.</i> }	17 Oct., 5 „ }		2 2
English	16 Oct., 4 „ }	{ Prof. Baldwin Brown }	3 3
English Literature (Honours Course) ³	17 Oct., 2 „ }		4 4
English Language (Honours Course) ³	8 Jan., 2 „ }	{ Prof. Saintsbury }	3 3
French (Pass) ²	19 Oct., 3 „ }		3 3
French Lit. (<i>Tu.</i>) ⁶⁷	8 Jan., 3 „ }	{ A. Blyth Web- ster, M.A. }	3 3
French Hist. (<i>Th.</i>) ⁶⁷	16 Oct., 3 „ }		4 4
French (Honours) ⁷ ..	16 Oct., 3 „ }	{ Charles Sarolea, K.O.L., Ph.D., D. Litt. }	1 1 ⁵
Italian ⁴	18 Oct., 3 „ }		1 1 ⁵
German (Pass) ²	17 Oct., 2 „ }	{ }	3 3
German Prose Com- position (<i>Th.</i>) ⁶	17 Oct., 5 „ }		3 3 ⁵
German ⁶⁸ Lit. (<i>Tu.</i>)...	16 Oct., 4 „ }	{ Otto Schlapp, Ph.D. }	4 4
German (Honours) ⁸ ...	18 Oct., 4 „ }		1 1 ⁵
German Adv. Prose } Comp. (<i>Wed.</i>) ⁶⁸ .. }	16 Oct., 4 „ }	{ }	1 1 ⁵
	17 Oct., 3 „ }		3 3
	17 Oct., 3 „ }		1 1 ⁵

¹ Fees for second, third, and subsequent attendances, see page 76.² See footnote 2, page 66.³ This Course may be divided into two Half-Courses. Fee for each, £2. 2s.⁴ An Honours Course may be given by Dr Sarolea.⁵ Five Shillings University entrance fee for Non-Matriculated Students. Payment of this fee does not entitle a Student to a Class Certificate nor confer any other University privilege.⁶ *Twenty Lectures*; may be taken as separate course.⁷ Lectures given in French.⁸ Lectures given in German.

WINTER SESSION, 1906-1907—continued.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹		
I.—DEPARTMENT OF LANGUAGE AND LITERATURE— <i>cont.</i> £ s.					
Sanskrit (Junior Class),	17 Oct., 3 o'cl.	Prof. Eggeling	{ 4 4		
Do. (Senior Class) ²	17 Oct., 2 „				
Hebrew (Junior Class)	16 Oct., 1 „				
Do. (Senior Class) ²	16 Oct., 2 „	Prof. Kennedy..	{ 4 4		
Arabic ^{2 3} (<i>Mon.</i> , <i>Wed.</i> , & <i>Fri.</i>).....	17 Oct., 3 „				
Syriac ² (<i>Tues.</i> & <i>Thurs.</i>).....					
Celtic ²	16 Oct., 3 „	Prof. Mackinnon..	{ 2 2		
Do. Advanced...	16 Oct., 4 „				
	22 Oct., 3 „				
			{ 2 2 ⁵		
			{ 1 1 ⁴		
II.—DEPARTMENT OF MENTAL PHILOSOPHY.					
Logic & Metaphysics	16 Oct., 1 o'cl.	Prof. A. S. Pringle Pattison	{ 4 4		
Metaphysics (Inter- mediate Honours Half-Course).....	22 Oct., 3 „				
Do. (Advanced Honours Half- Course).....	23 Oct., 3 „				
Moral Philosophy.....	16 Oct., 12 „			Prof. James Seth...	{ 4 4
Do. Honours Class...	22 Oct., 3 „				
Political Economy ⁶	16 Oct., 9 „	Prof. Nicholson...	{ 4 4		
Do. Honours Course ⁶ <i>Mon. Tu. & Thurs.</i>	18 Oct., 11 „				
			{ 3 3		

¹ Fees for second, third, and subsequent attendances, see page 76.² Students who wish to take the Classes of Sanskrit, Hebrew, Arabic, Syriac, or Celtic as qualifying for the M.A. Degree, must have previously passed a Preliminary Examination in these languages as nearly as possible equivalent in standard to the Examinations in Latin and Greek in the Preliminary Examination.³ Half-Course qualifying for M.A. degree.⁴ See footnote 5, page 67.⁵ When taken as a Graduation Course, £4, 4s.⁶ Or two Half-Courses, £2, 2s. each.

WINTER SESSION, 1906-1907—*continued.*

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
II.—DEPARTMENT OF MENTAL PHILOSOPHY— <i>continued.</i>			£ s.
Education (Theory, History, & Art of)	16 Oct., 12. 10 o'cl.	Prof. Darroch	4 4
Philosophy of Law ² (45 Class Meetings)	16 Oct., 2 „	{ Prof. Sir Ludovic J. Grant, Bart. }	2 2
Natural Theology (Gifford Lecture- ship)	Dates will be after- wards announced.	{ Emer. Prof. Laurie, M. A., LL. D. }	Free.
III.—DEPARTMENT OF SCIENCE.			
Mathematics ^{3 4}	16 Oct., 9 o'cl.	Prof. Chrystal... ..	4 4
Mathematics, Inter- mediate Honours	17 Oct., 11 „	{ Prof. Chrystal & Chas. Tweedie, }	{ 3 3
Do. Advanced Honours	17 Oct., 10 „		
Mathematics, Inter- mediate Honours (Technical Divi- sion)	17 Oct., 9 „	{ E. M. Horsburgh, M. A., B. Sc. }	{ 3 3 ⁶
Function Theory (Honours Half- Course)	16 Oct.,	{ J. H. MacLagan Wedderburn, }	{ 2 2
Natural Philosophy ³ ...	16 Oct., 11 „	Prof. MacGregor...	
Natural Philosophy and Applied Mathe- matics (M. A. Honours Classes):—			
Dynamics ⁵ (Mon., Wed., Fri., before Christmas)	17 Oct., 9 „	Dr Knott	2 2 ⁷
Thermodynamics ⁵ (Mon., Wed., Fri., after Christmas)...	9 Jan., 9 „	Prof. MacGregor...	2 2 ⁷

¹ Fees for second, third, and subsequent attendances, see page 76.² Half-Course.³ Students prior to attendance on the Ordinary Classes of Mathematics or of Natural Philosophy as qualifying for Graduation in Arts, must have passed the Intermediate or Higher Standard Examination in Mathematics either as part of their Preliminary Examination or in addition thereto.⁴ The first half of the Winter Ordinary Graduation Course up to Christmas qualifies as a First Half-Course in Mathematics, and the second half, from Christmas to the end of the Session, as a Second Half-Course. Any First Half-Course, along with any Second Half-Course, taken subsequently, qualifies as a full Course of Instruction for Graduation.⁵ Honours Graduation Half-Course.⁶ Fee for both Winter and Summer Courses, if paid at the beginning of the Winter Session, is £5, 5s.⁷ The fee for both Honours Half-Courses, when paid at the beginning of the Winter Session is £3, 3s.

WINTER SESSION, 1906-1907—*continued.*

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
III.—DEPARTMENT OF SCIENCE— <i>continued.</i>			
Natural Philos. and Applied Mathematics (Honours Classes):—			
Electricity ² (<i>Mon. Wed. Fri.</i> before Christmas).....	17 Oct., 12 o'cl.	Prof. MacGregor..	£ s. 2 2 ³
Advanced Dynamics ² (<i>Mon. Wed. Fri.</i> after Christmas)	9 Jan., 12 „	Dr Knott..	2 2 ³
Applied Mathematics, Advanced Science (<i>Mon., Wed., Fri.</i>).....	17 Oct., 10 „	Dr Knott.....	3 3
Physical Laboratory ⁴	16 Oct., 10 „	{ Prof. MacGregor and Dr Peddie. }	
Astronomy (<i>Mon., Tues. Wed. Thurs.</i>)	17 Oct., 5 „	{ Prof. Dyson and J. Halm, Ph.D. }	{ 4 4
Chemistry ⁸	16 Oct., 10 „	Prof. Crum Brown	4 4
Do. (Adv. Course, thrice weekly).....	8 Jan., 4 „		
Chemical Laboratory ⁵	16 Oct., 9.30-4.30 „	{ Prof. Crum Brown and Lecturers... }	
Zoology ⁶ (Elementary)	16 Oct., 12 „		{ 4 4
Practical Zoology (Elementary).....	8 Jan., 12 „	{ Prof. Ewart.... }	{ 2 2 ⁷
Advanced Zoological Laboratory.....	1 Oct., 10 „		{ ...

¹ Fees for second, third, and subsequent attendances, see page 76.

² Honours Graduation Half-Course.

³ Fee for both Half-Courses, if paid at the beginning of the Winter Session, is £3, 3s.

⁴ For fees see footnote, p. 76.

⁵ For fees see footnote 2, p. 246.

⁶ With Practical Zoology, a full Course, but the whole Course must extend over at least seventy-five separate days. Any student whose attendance on the Elementary Course of Lectures and the Elementary Practical Class of Botany or Zoology does not entitle him to a full Certificate for Graduation in Arts, may make up the seventy-five attendances required on separate days, by attending (without payment of additional class fee) any other course of lectures in the Botanical or Zoological Department as the case may be, which consists of not less than twenty-five meetings, provided that the whole course thus made up satisfies the regulations regarding proportion of Laboratory or Practical work required from Students in Arts. A Full Course in Zoology is given in Winter but not in Summer. The Botany Lecture Course (held only in Summer) may be supplemented by a Vacation Course of twenty-five Meetings.

⁷ Besides charge of 10s. for Laboratory Expenses.

⁸ Qualifying along with a half-day three months' Course in the Chemical Laboratory for the examination in Chemistry.

WINTER SESSION, 1906-1907—*continued.*

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
III.—DEPARTMENT OF SCIENCE— <i>continued.</i>			£ s.
Morphology of Vertebrates (with Lab.)	8 Jan., 12 o'cl.	J. Beard, D.Sc...	3 3
Botany (Advanced)	16 Oct., 11 ,,	Prof. Balfour..	3 3 ²
Practical Botany (Advanced)	17 Oct., 11 ,,		2 2 ²
Geology ³	16 Oct., 4 ,,	Prof. Geikie.....	4 4
IV.—DEPARTMENT OF HISTORY AND LAW.			
Constitutional Law and History ⁴	16 Oct., 5 o'cl.	Prof. Kirkpatrick	4 4
History (Honours: British Constitl., 1360-1563) (<i>Mon., Tu., Th.</i>).....	16 Oct., 4 ,,		3 3
History, British.....	16 Oct., 11 ,,	Prof. Lodge....	4 4
History (Honours Course, History of Europe, 1715-1815).....	17 Oct., 10 ,,		3 3
Ancient (Scottish) History (Honours Course) (<i>Mon., Wed., Fri.</i>).....	17 Oct., 4 ,,	Prof. Hume Brown.....	4 4 ^{5 6}
Palæography (<i>Tu., Th.</i>).....	17 Oct., 4 ,,		2 2 ^{5 6}

¹ Fees for second, third, and subsequent attendances, see page 76.² Besides Garden fee of 5s.³ Course after Christmas is a Graduation Half-Course. Fee £2, 2s.⁴ Qualifying both for Arts Graduation (as "History," under the Arts Ordinance, Sect. VII., 2 (b), or as one of the ordinary subjects) and for Law Graduation.⁵ Fee for both Courses if taken in one Session, £5, 5s.⁶ See footnote 5, page 67.

WINTER SESSION, 1906-1907—continued.

Classes.	Days and Hours.	Profs. and Lecturers.	Class Fees. ¹
IV.—DEPARTMENT OF HISTORY AND LAW—continued.			
			£ s.
Political Science } Honours Graduation Half - Course (Mon., Wed., Fri.)	9 Jan., 12 o'cl.	D. P. Heatley..	2 2
British History, 800-1307 (Honours Half-Course, Mon., Wed., Fri.).....	17 Oct., 12 ,,		2 2 ⁴
British Statesmen of Eighteenth and Nineteenth Centuries ³ (Tu. & Th.)	18 Oct., 12 ,,		1 1 ²
Roman Law.....	16 Oct., 9 ,,	Prof. Mackintosh.....	4 4 ⁵
History of Roman Law (44 Class Meetings) ⁶			2 2
Archæology and Art (History of).....	16 Oct., 3 ,,	Prof. Baldwin Brown	4 4
Classical Archæology (Honours Course, Mon., Wed., Fri.)	17 Oct., 5 ,,		3 3
Ancient (Roman) History (Honours Half-Course).....	17 Oct., 11 ,,	{ G. H. Stevenson, M.A. }	2 2
Public International Law (45 Class Meetings) ⁶	8 Jan., 2 ,,	{ Prof. Sir Ludovic J. Grant, Bart. }	2 2

¹ Fees for second, third, and subsequent attendances, see page 76.² See footnote 5, p. 67.³ Mackay Lectures. Free to members of the History Classes.⁴ Fee for whole Course (Winter and Summer), if paid in Winter, £3, 3s.⁵ Fee for Winter Session. For Winter and Summer, £5, 5s.⁶ Half-Course.

SUMMER SESSION, 1907.

The Classes will be opened as follows, and will be closed on Wednesday, 17th July.

Classes.	Days and Hours.	Profs. and Lecturers.	Class Fees. ¹
I. DEPARTMENT OF LANGUAGE AND LITERATURE. £ s.			
Latin (Graduation Half-Course) ^{2 3}	1 May, 11 o'cl.	James Mill, M.A.	2 2
Honours Latin (Graduation Half-Course)	1 May, 10 „		
Greek (Graduation Half-Course) ^{2 3}	1 May, 10 „	Alfred R. Ainsworth, B.A.	2 2
Honours Greek (Graduation Half-Course)	1 May, 9 „		
Ancient History.....	1 May, 11 „	G. H. Stevenson, M.A.	2 2
English Literature (Honours Graduation Half-Course, Mon., Wed., Fri.)	1 May, 12 „	A. Blyth Webster, M.A.	2 2
Sanskrit ⁴	1 May, 3 „	Prof. Eggeling	3 3
II. DEPARTMENT OF MENTAL PHILOSOPHY.			
Logic (Mon., Wed., Fri.).....	1 May, 11 o'cl.	R. P. Hardie, M.A.	2 2
Ancient Philosophy (Honours Graduation Half-Course (Mon. 12, Tu., Th. 11))	2 May, 11 „		
Psychology (Honours Gradn. Half-Course, Tu., Wed., Fri.).....	1 May, 12 „	Henry Barker, M.A.	2 2
Political Philosophy ⁵ (Honours Graduation Half-Course)..... (Tu., Wed., Fri.)....	1 May, 11 „		
Economic History (Honours Graduation Half-Course, Mon., Tu., Th.).....	2 May, 12 „	A. B. Clark, M.A.	2 2

¹ Fees for second, third, and subsequent attendances, see page 76.

² See footnote 2, page 66.

³ The full Course may be completed by attendance either for another Summer Session or for half a Winter Session.

⁴ Class for Indian Civil Service Probationers only.

⁵ Honours Graduation Half-Course in Philosophy and also in Economic Science.

SUMMER SESSION, 1907—*continued.*

Classes.	Days and Hours.	Profs. and Lecturers.	Class Fees. ¹
III. DEPARTMENT OF SCIENCE.			£ s.
Mathematics (First Graduation Half-Course) ^{2 12}	1 May, 10 o'cl.	Chas. Tweedie, M.A., B.Sc.	{ 2 2
Mathematics (Second Graduation Half-Course) ^{2 12}	1 May, 11 ,,		
Honours Mathematics (Gradn. Half-Course)	1 May, 9 ,,	Prof. Chrystal...	{ 2 2
Intermed. Hons. Math. (Technical Division)	1 May, 9 ,,	E.M.Horsburgh, M.A., B.Sc...	{ 3 3 ³
Physical Laboratory ⁴	1 May, 10 ,,	Prof. MacGregor and Dr Peddie	{ }
Physics (<i>mainly for Students of Medicine</i>)	1 May, 12 ,,	C. G. Knott, D.Sc.	{ 3 3
Nat. Phil. & App. Math. (Honours Classes) :—			
Applied Mathematics (Quaternions) ¹⁰	1 May, 9 ,,		{ 2 2
Wave Theory	2 May, 9 ,,	W.Peddie, D.Sc.	{ 2 2
Adv. Exp. Physics (Full Course).....	1 May, 10 ,,	W.Peddie, D.Sc.	{ 3 3 ¹¹
Advanced Astronomy (Theoretical)	1 May, 11 ,,	J. Halm, Ph.D.	{ 2 2
Organic Chemistry and Advanced Inorganic Chemistry.....	1 May, 1 ,,	Professor Crum Brown and Lecturers	{ 2 2
Do. (Adv. Course), (<i>thrice weekly</i>).....	1 May, 4 ,,		
Chemical Laboratory ⁵	1 May, 9.30,,	Hugh Marshall, D.Sc.	{ 2 2
Chemistry (Tutorial Class).....	1 May, 3 ,,		
Zoology (Elementary) ⁶ ...	1 May, 12 ,,	Prof. Ewart.....	{ 4 4 2 2 ⁸
Do. (Elem. Pract.) ⁷	1 May, 10-12		
Invertebrate Zoology..	1 May, ⁹	J. H. Ashworth, D.Sc.	{ 2 2 3 3 ⁸
Do. (with Lab. work)			

¹ Fees for second, third, and subsequent attendances, see page 76.² See footnotes 3 and 4, page 69.³ See footnote 6, page 69.⁴ For fees, see footnote, page 76.⁵ For fees, see footnote 2, page 246.⁶ See footnote 6, page 70.⁷ On alternate days.⁸ Besides charge of 10s. for Laboratory expenses.⁹ At hours to be arranged.¹⁰ The Quaternion Class meets on alternate days with the Wave Theory Class.¹¹ Fee for each of the two Courses of the Class £2, 2s.; for the two, if taken together, £3, 3s.¹² After Summer 1907 Ordinary Half-Courses will be given in alternate Summers. Thus 1908, Second Half-Course; 1909, First Half-Course, etc.

SUMMER SESSION, 1907—continued.

Classes.	Days and Hours.	Profs. and Lecturers.	Class Fees ¹
III. DEPARTMENT OF SCIENCE—continued.			£ s.
Advanced Zoology (Comp. Morphol. of Invertebrata and Adv. Lab. Course)..	I May, ² o'cl.	Prof. Ewart.....	3 3 ³
Natural History Labor.	I May, 10 „		6 6 ³
Botany ⁴	I May, 8 „	Prof. Balfour ...	{ 4 4 ⁵ 2 2 ⁶
Practical Botany.....	I May, 9 „		
Field Demonst., Sat...			
Geology (Graduation Half-Course, Mon., Wed., Fri.).....	I May, 4 „	Prof. Geikie.....	3 3
Field Demonstra- tions on Saturdays)			
IV. DEPARTMENT OF HISTORY AND LAW.			
Roman Law	16 May, 9 o'cl.	Prof. Mackintosh	2 2 ⁶
Brit. Hist., 1485-1660 (Hons. Half-Course, Mon., Wed., Fri.)	I May, 9 „		{ 2 2 ⁷
Brit. Hist. (Elementary), (Tu. and Th., 20 Lectures).....	I May, 9 „	D. P. Heatley...	{ 1 1 ⁸
Political Science (Honours Graduation Half-Course, Mon., Wed., Fri.)	I May, 10 „		
Ancient (Greek) History (Honours Half-Course)	I May, 11 „	{ G. H. Stevenson, M.A.	{ 2 2
Elementary Hebrew ⁹ ...	I May, 10 „	{ Alec H. Harley, M.A.	{ 1 11 6 2 2 0
Elementary Arabic... ..	I May, 11 „		

¹ Fees for second, third, and subsequent attendances, see page 76.² At hours to be arranged.³ See footnote 8, page 74.⁴ With Practical Botany a full Course, but the whole Course must extend over 75 separate days. See footnote 6, page 70.⁵ Besides Garden Fee of 5s.⁶ As separate Course. For Winter and Summer, £5, 5s.⁷ See footnote 4, p. 72.⁸ Five shillings University entrance fee for non-matriculated students. See footnote 5, page 67.⁹ To prepare Students for entering the Junior Class in Winter Session.

FEES FOR SECOND, THIRD, AND SUBSEQUENT ATTENDANCES.

1. *Ordinary Graduation Classes*:—(1) Second attendances on £4, 4s. Courses, £3, 3s. ; third or subsequent attendances, £1, 1s. (2) Second attendances on £3, 3s. Courses, £2, 2s. ; third or subsequent attendances, £1, 1s. (3) Ordinary Celtic Class, if not taken for Graduation, £2, 2s. ; second or subsequent attendances, £1, 1s.

2. Second attendances on £2, 2s. Lecture Courses (not being Honours Half-Courses), £1, 11s. 6d. ; third or subsequent attendances, £1, 1s.

3. When fee for first attendance is less than £2, 2s., no reduction for second or subsequent attendances.

4. *Honours Courses*:—(1) *Full Honours*, £3, 3s. *Courses*—Second attendances, no reduction ; third or subsequent attendances, £2, 2s. (2) *Half-Honours* £2, 2s. *Courses*—Second attendances, no reduction ; third or subsequent attendances, £1, 1s.

5. No reduction for Laboratory or Practical Courses.

MATRICULATION, &c. See pages 30-33.

LABORATORIES.

The following means are afforded for Practical Instruction :—

THE PHYSICAL LABORATORY,¹ established with the view of affording Students a practical knowledge of the construction and use of physical apparatus, and the mode of conducting experimental inquiries, is open daily during the Winter and Summer Sessions from 10 to 3 (for advanced students from 9 to 6), under the superintendence of the Professor. It is open (for research students only) on 1st October and will continue open every lawful day during the year, holidays and the autumn vacation excepted.

The ROYAL OBSERVATORY is open to Students of Astronomy on Friday evenings from 5 P.M.

For the CHEMICAL LABORATORIES, ZOOLOGICAL LABORATORIES, ROYAL BOTANIC GARDEN LABORATORY, GEOLOGICAL AND PETROLOGICAL LABORATORIES, see Faculty of Science.

MUSEUMS. See pages 62-65.

¹ Fees:—Three Months' Course of two hours a day, £2, 2s. ; Whole Academic Year, two hours a day, £4, 4s. ; Whole Academic Year for the hours during which the Laboratory is daily open, £6, 6s.

Courses of Lectures.¹

1906-1907.

I.—DEPARTMENT OF LANGUAGE AND LITERATURE.

HUMANITY—(Latin).

PROFESSOR HARDIE.

— — — — — Intending students

To face page 77.

During the Winter Session 1906-7 the ordinary Latin Class will meet in two Divisions, not only on Fridays for Prose Composition as formerly, but every day except Monday.

The reading of the Higher Division will include :—Virgil, *Æneid*, vi.; Horace, *Odes*, iii. ; Tacitus, *Dialogus* (see page 143).

That of the Lower Division :—Ovid, *Metamorphoses*, xiii. (see page 143) ; Horace, *Odes*, iii. ; Tacitus, *Annals*, i. ; Cicero, *Pro Ligario* and *Pro Deiotaro*.

For Composition the Class is divided into two sections.

Upper Division.

Friday, 10-11.—Prose Composition (a weekly exercise, and a lecture on the passage when it is returned).

Wednesday, at 12 (optional).—Once a fortnight, or as may be arranged, Verse Composition, or a lecture on Metre or some other special subject.

¹ The annual amount payable for Matriculation, Class Fees, &c., of the regular Course in Arts and Graduation Fee may be estimated at about £10, 10s.

Lower Division.

Friday, 10-11.—Prose Composition (an easier exercise, and lecture on the passage when it is returned).

The more important examinations on Class work are held about December 20th and March 20th. In addition to these, there will be an examination in special or private reading about the end of January, and an examination in History and Literature about the end of February. From time to time shorter papers are set, in Composition or in translation at sight.

Books.—No particular edition of any book is *prescribed*. For ordinary Class purposes, the editions published in Messrs Macmillan's series will be found suitable in scope. Only a plain text is necessary in the case of books on which lectures are given. Students should possess a plain text of the whole author, *e.g.* Horace or Virgil.

Books recommended. — Gildersleeve and Lodge's Latin Grammar; Lindsay's Historical Latin Grammar; Pelham's Outlines of Roman History; How and Leigh's History of Rome; Myres' History of Rome; Capes' Early Empire; Strachan-Davidson's Life of Cicero; Cruttwell's History of Latin Literature; Mackail's Latin Literature; Companion to Latin Authors (Middleton and Mills); Rich's Dictionary of Antiquities.

Honours Class—12 to 1.

The Honours Latin Class meets four days a week. It is intended to assist the studies of Candidates for Scholarships and Graduation with Honours.

The chief work of the Class consists of readings and explanations of some of the more difficult Latin authors. Literature or History is dealt with (usually on Tuesdays) in connection with one of the Books read.

A passage for Prose Composition is set every week, and a passage for Verse Composition (optional). Papers in Translation at Sight, and critical papers of various kinds, are set from

time to time ; and subjects are prescribed for an English or Latin Essay.

The chief examination on books read is held about the end of February.

During the Winter Session 1906-1907 the following books will be read :—Horace, *Epistles*, II., and *Ars Poetica* ; the *Ciris*, *Dirac*, etc. (prescribed for Honours, 1907) ; Plautus, *Pseudolus* ; Cicero, *De Natura Deorum*.

Summer Session, 1907.

JAMES MILL, M.A., *Lecturer.*

Ordinary Class—11 to 12, five days a week.

This class qualifies as a half-course for Graduation.¹ The work consists of—

1. The reading of the Latin authors prescribed for the Degree Examination in October 1907 and April 1908.
2. Lectures on Roman History or Literature.
3. Exercises in Latin Prose Composition.
4. Written Examinations on the work done in the Class.
5. Translation of passages from Latin into English, and from English into Latin “at sight.”

The full Course may be completed by attendance either for another Summer Session or for half a Winter Session.

Honours Class—10 to 11.

This Class, in the Summer Session, qualifies as a half-course for Graduation with Honours in Classics. It meets four days a week, and is intended to assist the studies of Candidates for Scholarships, for Graduation with Honours, and for the Indian Civil Service. The work consists of :—

1. Readings and explanations of some of the more difficult Latin authors, such as Tacitus, Lucretius, Plautus, Martial, Juvenal, Lucan, &c.
2. Lectures on Roman History and Literature, chiefly in connection with the Books read in the Class.
3. Exercises in Latin Prose Composition.

¹ See footnote 1, page 66.

4. Written Examinations on work done in the Class, and on subjects prescribed for voluntary reading.

During the Summer Session of 1907, the books read will be selected mainly from the programmes of work for Honours Graduation in April 1908 and April 1909.

GREEK.

PROFESSOR MAIR.

Ordinary Class—11 to 12, 12 to 1.

11 to 12, five days a week (Professor).

12 to 1 (optional, no extra fee), three days a week (Lecturer); additional lectures on subjects for Degree.

This is the class which qualifies for the ordinary Degree of M.A.¹ The work consists of—

1. Readings of Greek authors, such as Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Herodotus, Thucydides, Plato, Demosthenes.

2. Lectures on Greek Literature, or Philosophy.

3. Greek Prose Composition, or Translation of an Unseen Passage, and a Lecture on the passage when the exercises are returned.

4. Written Examinations on the work done in the Class, and on subjects prescribed for voluntary reading.

5. Greek Verse Composition (voluntary).

Books recommended.—W. G. Rutherford's Greek Grammar and First Greek Syntax; Monro's Homeric Grammar; Goodwin's Greek Moods and Tenses; Jebb's Primer of Greek Literature; Murray's Ancient Greek Literature; Holm's History of Greece (Translation, Macmillan); Bury's History of Greece, or Oman's History of Greece; Greek Verse Composition (Sidgwick and Morris); A Manual of Comparative Philology, by Giles.

During the Winter Session 1906-1907, the chief work of the Class with the Professor will be:—Homer, *Iliad*, XVIII. and XXII.; Plato, *Euthydemus*.

¹ See footnote 2, page 66.

Third (Honours) Class—10 to 11.

This Class meets four days a week. It is intended to assist the studies of Candidates for Scholarships and Graduation with Honours. The work consists of—

1. Readings of some of the more difficult Greek authors.
2. Lectures on Greek Literature, History, or Philosophy.
3. Greek Composition, and Translation of Unseen Passages.
4. Occasional Critical Papers and Essays.
5. Written Examinations on the work done in Class.

During the Winter Session 1906-1907 the chief work of the Class will be Pindar, *Nemean Odes* ; Hesiod, *Works and Days*, 1-705 ; Thucydides, III.

Summer Session, 1907.

A. R. AINSWORTH, B.A., *Lecturer.*

Ordinary Class—10 to 11, five days a week.

This Class qualifies as a half-course for Graduation.¹ The work consists of—

1. The reading of the Greek authors prescribed for the Degree Examination in October 1907 and April 1908.
2. Lectures on Greek Literature.
3. Greek Prose Composition, and Translation of Unseen Passages.
4. Written Examinations.

The full Course may be completed by attendance either for another Summer Session or for half a Winter Session.

Honours Class—9 to 10.

This Class meets four days a week. It is intended to assist the studies of Candidates for Scholarships, for Graduation with Honours, and for the Indian Civil Service. The work consists of—

1. The reading of books selected from the programme of work for Graduation with Honours in 1908 and 1909, and other books as may be arranged.
2. Lectures on Greek Literature.

¹ See footnote 2, page 66.

3. Greek Prose Composition, and Translation of Unseen Passages.

4. Written Examinations.

This Class qualifies as a half-course for Graduation with Honours. The full Course may be completed by attendance for another Summer Session.

CLASSICAL ARCHÆOLOGY.

PROFESSOR BALDWIN BROWN.

Classical Archæology may be taken as one of the optional subjects for Honours in Classics.

An Honours Course of fifty lectures will be delivered in the Winter Session, 1906-1907, in the Fine Art Class Room, on Mondays, Wednesdays, and Fridays, at 5 P.M.

Additional Class-meetings of a tutorial character will be held as often as is found desirable, at hours to be afterwards arranged. The treatment of the subject will embrace—

1. A general survey of the field of study.
2. An examination of the most important monuments of Greek Art and selected passages from ancient authors bearing on the History of the Arts in Classical times.
3. A study of the History of Greek Sculpture from the earliest times to the age of Augustus.

The text-books will be—Overbeck's "*Schriftquellen*" (a collection of passages from ancient authors bearing on Classical Art); Murray's "*Handbook of Greek Archæology*" (London, John Murray); E. Gardner's "*Handbook of Greek Sculpture*," with appendix (Macmillan & Co.).

ANCIENT PHILOSOPHY.

(See Department of Mental Philosophy.)

ANCIENT HISTORY.

G. H. STEVENSON, M.A., *Lecturer.*

Ancient History may be taken as an optional subject for Honours in Classics, and as an alternative subject for Honours

in History. Two Honours half courses of 25 lectures each will be given, one in the first half of the Winter Session, the other in Summer. Three lectures weekly.

Subjects—

Winter 1906. Roman History, 44 B.C.-14 A.D. For prescribed books see p. 153.

Summer 1907. Greek History, 621-490 B.C. For prescribed books see p. 153.

RHETORIC AND ENGLISH LITERATURE.

PROFESSOR SAINTSBURY.

Ordinary Course—4 to 5, five days a week throughout the Winter Session.

On Mondays, Wednesdays, and Fridays, the Lectures will be devoted, before Christmas, to a survey of Style both in Poetry and Prose from Chaucer to the Nineteenth Century; after Christmas to a similar survey of the General History and Contents of the Subject from the earliest texts to the present day. There will be Three Class Examinations during the Session, and at convenient intervals between them written Exercises will be done in Class. Two subjects for longer written Essays will also be given, one before, one after Christmas: and there will be Prizes for these Essays, distinct from the general Class Prizes. A certain number of Lectures will be specially devoted to the subject of Rhetoric, the text being De Quincey's Essay, with Campbell's *Philosophy of Rhetoric*, Whately's *Rhetoric*, Bain's *Composition and Rhetoric*, and Hodgson's *Errors in English* for illustration.

On Tuesdays and Thursdays the Lectures will take for text the books prescribed for the year, some of which will be read page by page and line by line, while others will be dealt with more summarily. The prescribed books will always include parts of Chaucer, Spenser, Shakespeare, and Milton, together with portions of other writers from the sixteenth century to the present day. The Lectures on Style will be illustrated from Ward's *Poets* and Craik's *Prose Selections*.

Honours Course—2 to 3, three days a week in the Winter Session.

The Professor will also give an Honours Course in two Halves of twenty-five Lectures each. The Half-Course before Christmas will be a Higher Rhetoric Course on the Theory of Prose and Verse in English, opening with a sketch of the History of Literary Criticism from Aristotle onwards. The course after Christmas will be devoted to some special subject connected with the Honours period of the year. The subject for 1907 is "Milton, Dryden, and other 17th Century Poets"; for 1908, "The English Essay."

Honours Courses.

A. BLYTH WEBSTER, M.A., *Lecturer.*

OLD AND MIDDLE ENGLISH.

A full Honours Course of Fifty Lectures (in two parts of Twenty-five Lectures each) on Old and Middle English will be delivered in the Winter Session—Monday, Wednesday, and Friday from 3 to 4.

A. OCT.-DEC.—HISTORY OF OLD AND MIDDLE ENGLISH.

1. Historical Outline of the Development of the English Language.

Special attention will be given to the O.E. and M.E. Dialects and to Middle Scots.

2. English Palæography.

Books for reference (1 and 2).—Sweet's *Oldest English Texts* and *History of English Sounds*; Ellis's *Early English Pronunciation*; Sievers's *Old English Grammar* (ed. Cook); Kellner's *Historical Outlines of English Syntax*; Skeat's *Principles of English Etymology* (First and Second Series); Murray's *Dialect of the South of Scotland*; Gregory Smith's *Specimens of Middle Scots*; Skeat's *Facsimiles of Old English Manuscripts*; Maunde Thompson's *Greek and Latin Palæography* (chaps. xvii.-xix.).

B. JAN.-MAR.—OLD AND MIDDLE ENGLISH TEXTS.

(a) Readings in Old and Middle English, including some of the texts prescribed for the Examination for the Honours Degree, and (b) Translation of Unseen Passages.

Summer Session, 1907.

ENGLISH LITERATURE.

A. BLYTH WEBSTER, M.A., *Lecturer.*

An Honours Half-Course of Twenty-five Lectures on *English Poetry from Pope to Crabbe.*

The Class will meet on Monday, Wednesday, and Friday from 12 to 1.

FRENCH LANGUAGE AND LITERATURE AND
ROMANCE PHILOLOGY.

CHARLES SAROLEA, K.O.L., PH.D., LITT.D., *Lecturer.*

Ordinary Graduation Class—3 to 4, five times a week.

This class qualifies for the Ordinary Degree of M.A.¹ The work consists of—

1. Readings of some French author, such as Rousseau, Voltaire, Chateaubriand, Victor Hugo.
2. Lectures on French Literature and History.
3. French Prose Composition, or Translation of an unseen passage once a week, and a lecture on the passage when the exercises are returned.
4. Written Examinations on the work done in the Class, and on subjects prescribed for voluntary reading.
5. Lectures on the Philology and Historical Development of the French language.

Books to be read during the Winter Session 1906-1907 :— Clédat, *Moyen-Age* ; Victor Hugo, *Hernani*, *Morceaux choisis* ; Saint-Simon, *Extraits* ; Molière, *Avare* ; The Lecturer's *Essais politiques et littéraires* ; Pascal, *Pensées* ; Maeterlinck, *Vie des Abeilles*.

¹ See footnote 2, page 66.

Honours Class—4 to 5.

The Honours French Class meets four days a week. It intended to assist the studies of Candidates for Scholarships and Graduation with Honours. The work consists of—

1. Readings and explanations of Old French Texts, and of some of the more difficult Modern French authors.
2. Lectures on French Literature or History, and on Romance Philology.
3. French Composition and Translation of unseen passages.
4. Occasional critical papers and essays.
5. Written Examinations on the work done in the Class, and on subjects prescribed for voluntary reading.

Books to be read during the Session 1906-1907 :— Saint-Simon, *Mémoires*; Montaigne, *Essais*; Balzac, *Père Goriot*, *Les Paysans*; Victor Hugo, *Misérables*; Faguet, *Politiques et Moralistes*; Augier, Dumas, *Comédies*.

ITALIAN LANGUAGE AND LITERATURE AND ITALIAN PHILOLOGY.

Course of Fifty Lectures on the Honours Standard.

CHARLES SAROLEA, K.O.L., PH.D., LITT.D., *Lecturer.*

This Class meets three days a week. The work consists of—

1. Readings and explanations of Italian Classics of the 14th and 16th century (with special regard to Dante), and of some of the more difficult modern Italian authors.
2. Lectures on Italian Literature and History, and on Italian Philology.
3. Occasional critical Papers and Essays.
4. Written Examinations on the work done in the Class, and on subjects prescribed for voluntary reading.

Books to be read during the Session 1906-1907 :—Dante, “*Divina Commedia*,” “*De Monarchia*”; Manzoni, “*I promessi Sposi*”; Leopardi, *Prose*; D’Ancona, “*Manuale della Letteratura italiana*.”

Students who desire to attend this Course are requested to send their names to Dr Sarolea, University, before 1st October.

GERMAN LANGUAGE AND LITERATURE AND
TEUTONIC PHILOLOGY.

OTTO SCHLAPP, PH.D., *Lecturer.*

Ordinary Graduation Class—4 to 5, five times a week.

This class qualifies for the Ordinary Degree of M.A.¹ The work consists of—

1. Interpretation of some Mediæval or Sixteenth Century Texts, and of modern German authors.
2. Lectures on German Literature, History, or Philology.
3. German Prose Composition, or translation of an unseen passage, or a critical paper or German essay at least once a week, and a lecture on the papers when returned.
4. Oral exercises in pronunciation, conversation, reading, and recitation. Special tutorial instruction in small groups will be provided for this purpose.
5. Written Examinations on the work done in the Class, and on subjects prescribed for voluntary reading.

Honours Class—3 to 4, Mon., Wed., and Fr. ; 2 to 3, Th.

The Honours German Class meets four days a week. It is intended to train teachers of German and to assist Candidates for Scholarships and Graduation with Honours. The work of this Class is carried on in *German*, and consists of—

1. Interpretation of Texts from Mediæval and Modern German dialects, and of some of the more difficult modern authors.
2. Lectures on German Literature or History.
3. German Composition, Translation of unseen passages, occasional critical papers and German essays, and lectures on the papers when returned.
4. Oral exercises in pronunciation, conversation, reading, and recitation. Special tutorial instruction in small groups will be provided for this purpose.
5. Written Examinations on the work done in Class, and on subjects prescribed for voluntary reading.

¹ See footnote 2, page 66.

SANSKRIT AND COMPARATIVE PHILOLOGY.

PROFESSOR EGGELING.

A.—SANSKRIT LANGUAGE AND LITERATURE.

1. *Junior Class*.—Grammar and Exercises. Easy Texts (from Lanman's Reader). Easy translations from English into Sanskrit.

2. *Senior Class*.—Repetition of Grammar. Translations from English into Sanskrit. Texts, such as the Hitopadeśa, Kālidāsa's Raghuvansā or Śakuntalā; Mricchakatikā; Manu's Institutes of Law; selected Hymns of the Rigveda (Lanman's Reader).

The Senior Class will be the Graduating Class in Sanskrit for the Ordinary M.A.; but those who attend with a view to Graduation must previously have passed an examination under Sect. IV., subs. 3 of the Ordinance, which will include plain passages for translation from and into Sanskrit, and grammatical questions.

A Sanskrit Class may be formed in summer for Civil Service probationers.

Those who propose, in a subsequent session, to take up Sanskrit as a graduation subject, may attend the Junior Class during the Session 1906-1907.

B.—COMPARATIVE PHILOLOGY.

During the Session 1906-1907, the Professor will be prepared to deliver a course of Fifty Lectures on the Principles of Indo-European Philology and the history of Linguistic Studies, provided a sufficient number of Students give in their names.

HEBREW AND SEMITIC LANGUAGES.

PROFESSOR KENNEDY.

See Courses under Faculty of Divinity.

Arts Students are strongly advised to begin their study of Hebrew and Arabic by taking the Summer Tutorial Classes.

The Class of Senior Arabic, which meets three times a week, has been recognised by the University Court as a half-course qualifying for Graduation in Arts. It will meet in two successive (instead of in alternate) Sessions, when required, to suit the convenience of intending Graduates.

CELTIC.

PROFESSOR MACKINNON.

The Course for 1906-1907 will be arranged as follows :—

1. *Lectures*.—Course of fifteen to twenty lectures each will be delivered on (1) The History and Literature of the Gael, from the commencement till 1000 A.D. ; (2) Celtic Phonetics.

2. *Reading and Exposition*.—(1) Modern Gaelic : Extracts for Reading, Part II. ; Ossian's Poems. (2) Old Gaelic : Extracts for Reading, Part II. ; Windisch's *Irische Texte*. (3) Grammar and Composition : Weekly Exercises ; Stewart, O'Donovan, and Windisch's Grammars.

3. *Translations from English into Modern and Old Gaelic*.

Any student who attends this Class with a view to Graduation in Arts must previously have passed an examination (under Sect. IV., subs. 3 of the Ordinance), which will be in Scottish Gaelic, or Irish Gaelic, or Welsh ; and will include translations from and into English, with grammatical, literary, and easy philological questions.

The fee for a Student who attends with a view to graduation is £3, 3s.

An Advanced Class will meet in the Winter Session, 1906-1907, on three days of the week at 3 P.M. The Class will read Old Gaelic Texts from print and manuscript. — Fee, £1, 1s.

An Elementary Class in Scottish Gaelic, meeting on two days of the week, will be formed in the Winter Session of 1906-7, if a sufficient number of students give in their names. Fee for this class, £1, 1s.

II.—DEPARTMENT OF MENTAL PHILOSOPHY.

LOGIC AND METAPHYSICS.

PROFESSOR A. S. PRINGLE-PATTISON.

Ordinary Class—1 to 2.

The course in this class falls into three parts :—

(1) Elements of Logic, Deductive and Inductive ; (2) Outline

of Empirical Psychology, dealing more particularly with the facts and processes of cognition; (3) Introduction to the questions of philosophy, in connection with the history of philosophy ancient and modern.

1. In the Logical part of the course the text-book used is Mellone's "Introductory Text Book of Logic."

It is desirable that students, before entering the class, should have familiarised themselves with the elementary doctrines of Formal Logic to the end of Syllogism (chapters 1, 2, 3, 5, 6 in Mellone's *Text Book*). An examination is held early in the Session to test the knowledge of the class. For those who fail to reach a reasonable standard in this examination, a few supplementary lectures are given at a separate hour.

2. In the Psychological division of the course, Stout's "Manual of Psychology" will be found the best text-book to read in connection with the lectures, but the works of James, Sully, Höffding, Ward, Baldwin, and others may be usefully consulted on special parts of the subject.

3. The Philosophical lectures give a sketch of the development of speculative thought in Ancient Greece and in Modern Europe till the time of Hume.

Intermediate Honours Class—3 to 4 (Mondays and Wednesdays).

This Class constitutes a half course qualifying for Honours, and meets twice a week till the end of January. The Course will be mainly devoted to the Philosophy of Kant in its relation to his predecessors, but a certain number of lectures will deal with the principles of Modern Logic.

Students are recommended to take this class in the winter after they have attended the Ordinary Class of Logic and Psychology.

Advanced Honours Class—3 to 4 (Tuesdays and Thursdays).

This Class constitutes a half-course qualifying for Honours, and meets twice a week during the greater part of the Session.

The subjects chiefly dealt with will be Spinoza, the Development of Philosophy since Kant, and Greek Philosophy.

Summer Session, 1907.

R. P. HARDIE, M.A., *Lecturer.*

Honours Course in Ancient Philosophy.

This constitutes a Half-Course qualifying for Honours in Mental Philosophy and in Classics.

The chief subjects lectured on will be the Philosophy of Plato (with special reference to the *Phaedo* and the *Republic*), and the Psychology of Aristotle (with special reference to the parts of the *De Anima* set for Honours in Mental Philosophy and in Classics).

Course in Logic.

This Course consists of twenty-five Lectures, and extends over nine weeks. Its subject is the Elements of Logic, Deductive and Inductive. Attendance at this Course will exempt from attendance at the corresponding Lectures in the Ordinary Class.

MORAL PHILOSOPHY.

PROFESSOR JAMES SETH.

Ordinary Class—12 to 1.

After an introductory statement of the problem and method of Ethics, and a study of its psychological basis, the problem of the Moral Ideal will be investigated in the light of the historical development of Morality and of the chief systems of Ethics. The application of the general principle thus reached to the regulation of the moral life, individual and social, will then be considered, special attention being given to the ethical basis and functions of the State, and to some of the more important problems of social conduct.

The Course will consist of lectures, discussions, written examinations and an essay. The text-book will be the Professor's *Ethical Principles*, and a special study will be made of Butler's *Sermons on Human Nature*, Mill's *Utilitarianism*, and Aristotle's *Ethics*, Bks. I.-III., X. Sidgwick's *History of Ethics* should also be studied (in part) in connection with the lectures.

Honours Class—3 to 4 ; Monday, Wednesday, and Friday.

This Course of Fifty Lectures is intended for those who have attended the Ordinary Class, or have otherwise obtained a general knowledge of Moral Philosophy. The work of the class will consist of a study, by lectures and discussions, of certain parts of Ancient and Modern Ethics, more immediately related to the subjects of study for Honours.

Lectures on Kant's *Critique of Practical Reason* will be given as a part of the Honours Course by the Assistant to the Professor.

Summer Session, 1907.

HENRY BARKER, M.A., *Lecturer.*

Honours Courses in Political Philosophy and Psychology.

One or both of the following half-courses will be given, if desired by a sufficient number of students :—

1. A half-course in Political Philosophy, qualifying for Honours in Philosophy and Honours in Economic Science. This course is intended for students who propose to take Honours in Philosophy with Political Philosophy as a special subject, or Honours in Economic Science. The lectures will be mainly upon the books in Political Philosophy prescribed or recommended for Honours.

2. A half-course in Psychology qualifying for Honours in Philosophy. In this course some of the more difficult and disputed topics of psychology will be discussed, especially those which are of philosophical and ethical interest ; and some account will be given of experimental problems and results. Special attention will be given to the books in Psychology prescribed or recommended for Honours.

COMMERCIAL AND POLITICAL ECONOMY AND MERCANTILE LAW.

PROFESSOR NICHOLSON.

The Course, embracing two Half-Courses of Fifty Lectures each, qualifies for Graduation in Arts and for Graduation in Law (optional with Conveyancing).

In connection with the Lectures students are expected to read the Professor's "Elements of Political Economy" and the portions indicated in the Lectures of Mill's Political Economy, Bks. I. to III.; and of Marshall's Economics of Industry; Smith's Wealth of Nations, Bk. IV.; and the Professor's "Treatise on Money," 6th edit. For fuller treatment of the subjects of the Lectures students may consult the Professor's "Principles of Political Economy," Bks. I. to III.

The first half of the Course will embrace the subjects corresponding to Bks. I. and II. of the Professor's "Elements."

1. SCOPE AND METHODS OF POLITICAL ECONOMY.—Analysis of Fundamental Conceptions, Wealth, Utility, Total and Marginal Utility, Capital, Labour, &c.

2. PRODUCTION OF WEALTH.—Meaning of Production—Agents of Production—Land, Labour and Capital—Efficiency of Labour—Division of Labour—Organisation of Industry—Production on a Large and Small Scale—Accumulation of Capital—Growth of Population—Limits to the Production of National Wealth.

3. DISTRIBUTION OF WEALTH.—Private Property—Socialism—Land Tenures—Wages—Profits—Rents—Combinations of Labour and Capital.

The second half of the Course includes the subjects treated in the "Elements," Bks. III.-V., and in the corresponding portions set of Adam Smith and Mill.

4. EXCHANGE.—Theory of Value—Demand and Supply—Cost of Production—Money—Banking Credit—Rate of Interest—Commercial Crises—Foreign Trade—Free Trade—Foreign Exchanges.

5. PRINCIPLES OF GOVERNMENTAL CONTROL AND TAXATION.—An Elementary Treatment of the Leading Principles.

Four written Examinations and Two Essays. Essays Voluntary.

Honours Class—(Fifty Lectures, 11 to 12, Mondays, Tuesdays, Thursdays).

The Course will be devoted partly to more difficult Economic Theories not taken up in the ordinary class, and partly to the special treatment of Economic Progress, Economic Functions of Government, and Public Finance.

In connection with the lectures, Marshall's "Principles," Vol. I., the Professor's "Principles," Vol. III., and Cunningham's "Growth of English Industry and Commerce," will, as far as possible, be used as text-books.

Summer Session, 1907.

ARCH. B. CLARK, M.A., *Lecturer.*

HONOURS COURSE IN ECONOMIC HISTORY.

(Mondays, Tuesdays, and Thursdays, at 12).

This Course of Twenty-five Lectures constitutes a half-course qualifying for Graduation with Honours in Economic Science, and is also suitable for candidates for the India Civil Service. The lectures are devoted to the discussion of leading aspects in Economic History and in the History of Economic Theory. A more detailed syllabus of the subjects to be dealt with is issued towards the close of the winter session.

THEORY, ART, AND HISTORY OF EDUCATION.

PROFESSOR DARROCH.

I. THEORY OF EDUCATION.

A. *The End of Education.* Relation of Educational theory to Educational practice. The meaning and scope of Education. The end of Education. Consideration of various formulations of the nature of the end. The Educative process—analysis of its various elements—their relation to the end. The general—special—and supreme ends of Education.

B. General nature of the subjects of Instruction—their relative function in the production of the end. Classification of subjects. Humanistic ; Naturalistic ; Real ; Formal.

C. The physiological conditions of the Educative process. Physiology of sense organs and nervous system. Consideration of practical problems relative to the School. Physical Education—its value and importance. Schemes of physical instruction.

D. The psychological foundations of the Educative process. Stages of psychological development. Attention and interest : Perception and the training of the senses ; Imagination, Cognition.

The ethical nature of man in its Educational relations. Stages in the development of moral character. The school as an ethical institution. Theories of punishment.

II. THE ART OF EDUCATION.

A. Application of the principles deduced from the consideration of the nature and development of the mental life to the various subjects of the primary and secondary school under the heads of: (1) aim of the subject ; (2) general method ; (3) special method ; (4) difficulties due to the nature of the subject.

B. Organisation of a school—of a system of Education including various classes of schools. Principles of organisation.

III. HISTORY OF EDUCATION.

A special period will be studied each year. For Session 1906-7—the History of Education from the Renaissance until the present, with a particular study of the works of Comenius, Rousseau, Pestalozzi, and Froebel.

The Course will consist of lectures, discussion, written examinations and essays. *Three* written examinations will be held, and each student is required, in addition, to write at least *one* of two essays set during the session. For the theory of Education, Students are recommended to read Laurie's Institutes of Education, and selected portions of Rosenkranz's

Philosophy of Education, in addition to the Class Lectures. In History, Students are recommended to consult Quick's Essays on Educational Reformers, or Compayre's History of Education, or Laurie's Studies of Educational Opinion from the Renaissance. A special study is also required of Comenius' "Didactic" and Rousseau's "Emile," Books I.-III. (Payne's Trans.).¹

PHILOSOPHY OF LAW.

PROFESSOR SIR LUDOVIC J. GRANT, BART.

This Course of Forty-five class meetings, commencing on Tuesday, 16th October 1906, at 2, will qualify as a half-course for graduation. *Vide under Faculty of Law.*

GIFFORD LECTURES ON NATURAL THEOLOGY.

Lecturer—Emeritus PROFESSOR LAURIE, M.A., LL.D.

These Lectures were endowed by the late Adam Gifford, Senator of the College of Justice, "for promoting, advancing teaching, and diffusing the study of Natural Theology in the widest sense of that term." . . . "The lecturers appointed shall be subjected to no test of any kind, and shall not be required to take any oath, or to emit or subscribe any declaration of belief, or to make any promise of any kind ; they may be of any denomination whatever, or of no denomination at all ; they may be of any religion or way of thinking, or, as is sometimes said, they may be of no religion ; or they may be so-called sceptics or agnostics or free-thinkers ;—provided only that the 'patrons' will use diligence to secure that they be able reverent men, true thinkers, sincere lovers of and earnest inquirers after truth. I wish the lecturers to treat their subjects as a strictly natural science, the greatest of all possible sciences, indeed, in one sense, the only science,—that of Infinite Being, without reference to or reliance upon any supposed special exceptional or so-called miraculous revelation. The lecturers shall be under

¹ For Practice in Teaching (see Regulations for Schoolmaster's Diploma, p. 161).

no restraint whatever in their treatment of their theme. The lectures shall be public and popular, that is, open not only to students of the Universities, but to the whole community, without matriculation."

The arrangements for the next course will be duly announced.

III.—DEPARTMENT OF SCIENCE.

MATHEMATICS.

PROFESSOR CHRYSTAL, ASSISTED BY MR TWEEDIE AND
MR HORSBURGH.

Ordinary Class—9 to 10.

This is the qualifying class for the Ordinary Degree of M.A. and for the First Science Examination.¹

Algebra, including the elements of the Theory of Equations, and of Determinants, the Theory of Limits and the Elements of Curve Tracing; Plane and Spherical Trigonometry; Conic Sections, treated geometrically and analytically; Modern Geometry.

E. M. HORSBURGH, M.A., B.SC., *Lecturer.*

Intermediate Honours Class—Technical Division—9 to 10.

At least three meetings per week.

This course will suit Engineers and other Science Students who do not wish to make a specialty of Pure Mathematics. It qualifies as a Course for Graduation.

The work will include:—The use of Graphical Methods; Equations; Logarithms; Calculations in certain branches of Algebra; Trigonometry, with special reference to Survey Work; Analytical Geometry; Curve Tracing; Elementary Parts of the Differential and Integral Calculus; Simple Practical Applications of such subjects.

¹ See footnote 3, page 69.

Reference to text-books will be made throughout the Session as required. Chemical Students should consult Mellor's "Higher Mathematics."

Either of the above Intermediate Honours Courses qualifies as a full Honours Course for graduation in Arts or Science.

PROFESSOR CHRYSTAL

AND CHARLES TWEEDIE, M.A., B.SC., *Lecturer.*

Intermediate Honours Class—Monday, Wednesday, Friday,
11 to 12.

The subjects of this Course will be the Differential and Integral Calculus, and the Calculus of Finite Differences. Analytical Geometry, Plane, and Elementary Solid. It is assumed that the Student has a knowledge of the Theory of Equations, of the elements of the Theory of Determinants, and of the elementary parts of the Differential and Integral Calculus as taught in Professor Chrystal's Summer Course before he joins this Class.

PROFESSOR CHRYSTAL

AND CHARLES TWEEDIE, M.A., B.SC., *Lecturer.*

Advanced Honours Class—Monday, Wednesday, Friday,
10 to 11.

Qualifying as a full Honours Course for graduation in Arts or Science.

The subjects of this are the higher parts of the Differential and Integral Calculus ; Differential Equations ; Definite Integrals with special reference to Fourier's Theorem ; Functions of Laplace and Bessel ; Higher Plane Curves ; Analytical Geometry of Three Dimensions.

Additional lectures on Projective Geometry, and other special subjects are given occasionally.

Tutorial Classes.—Occasional lectures are also given by the Class Assistants. Tutorial instruction, mainly by the working of examples, will be given to the ordinary class in sections,

meeting at 10 A.M. or 11 A.M., to suit the convenience of students taking other classes.

Home Exercises are prescribed weekly in all the classes.

Written Examinations are held during the Session. The class honours are determined solely by these examinations.

Text-Books.—As a rule *special* text-books are not prescribed; but the student is recommended to select from the following :—

Algebra.—Chrystal, Chambers's Mathematical Tables.

Solid Geometry and Conic Sections.—Taylor (smaller work) or Taylor¹ (larger work).

Trigonometry.—Pressland and Tweedie (Todhunter and Lethem, or M'Lelland and Preston¹ for Spherical Trigonometry).

Analytical Geometry.—Smith's Analytical Conic Sections; and Dyer's Exercises in Analytical Geometry. Students intending to take the Honours Classes are recommended to get Salmon's Conic Sections,¹ Basset's Elementary Treatise on Cubic and Quartic Curves, Salmon's Higher Plane Curves,¹ and Salmon's Geometry of Three Dimensions,¹ or, instead of the last, Smith's Solid Geometry.¹

Projective Geometry.—Macdonald's Higher Geometry, Casey's Sequel to Euclid,¹ Cremona's Elements of Projective Geometry translated by Leudesdorf,¹ or Henrici's Article¹ on *Geometry*, "Encyclopædia Britannica" (9th edition).

Higher Algebra and Theory of Equations, etc.—Burnside and Panton's, or Todhunter's Theory of Equations; Thomson's Introduction to Determinants, and Muir¹ or Scott¹; and Salmon's Higher Algebra for those who mean to read for Mathematical Honours.

Differential and Integral Calculus.—Lamb, Gibson, or Williamson's Treatises, Forsyth's Differential Equations,¹ Frost's Curve Tracing, Boole's Finite Differences.¹

¹ Recommended to those only who make Mathematics a speciality.

MR J. MACLAGAN WEDDERBURN, M.A.

Special Honours Half-Course.

Function Theory.—Two lectures weekly at hours to be arranged after consultation with the students. Text-book: Whittaker's "Modern Analysis."

Summer Session, 1907.

CHARLES TWEEDIE, M.A., B.Sc., *Lecturer.*

1. *Ordinary Mathematics (First Graduation Half-Course)*—

11 to 12.

This Class qualifies for Graduation in Arts and Science as a First Half-Course¹² in Mathematics. The work consists of Algebra and Plane Trigonometry, corresponding to the First Half of the Winter Graduation Course.

2. *Ordinary Mathematics (Second Graduation Half-Course)*—

12 to 1.

This Class qualifies for Graduation as a Second Half-Course² if taken *after any* First Half-Course in Mathematics. Suitable also for Students reading for the more advanced part of the Winter Graduation Course. The work consists of Algebra and the elementary treatment of the Conic Sections, Geometrical and Analytical.

In each Class weekly exercises are prescribed, and two written examinations are held.

E. M. HORSBURGH, M.A., B.Sc., *Lecturer.*

3. *Intermediate Honours Class—Technical Division*—9-10.

At least three meetings per week.

This Class is a continuation of the Technical Division of the Winter Course. It qualifies as a Course for Graduation in Engineering.

¹ See footnote 3, p. 69.

² The first half of the Winter Graduation Course up to Christmas qualifies as a First Half-Course in Mathematics, and the second half of the Winter Course from Christmas to the end of the Session as a Second Half-Course. *Any* First Half-Course, along with *any* Second Half-Course, taken subsequently, qualifies as a full Course of Instruction for Graduation.

The work of the Class includes:—Analytical Geometry; Spherical Trigonometry; Elementary Parts of the Differential and Integral Calculus, and Elementary Differential Equations. These will be treated with a view to application in branches of Engineering, Chemistry, and other Applied Sciences. There will be simple calculations in such subjects as Thermodynamics, Electricity, Mechanics.

Reference to text-books will be made throughout the Session as required. Chemical Students should consult Mellor's "Higher Mathematics."

Either of the Divisions of the Summer Intermediate Honours Course (3 or 4) qualifies as a First Half-Course for Graduation in Arts or in Science.

PROFESSOR CHRYSTAL.

4. *Intermediate Honours Mathematics (Graduation Half-Course)*—9 to 10.

The course will deal with the more advanced parts of Algebra, Differential and Integral Calculus, Finite Differences, and Analytical Geometry.

NATURAL PHILOSOPHY INCLUDING APPLIED
MATHEMATICS.

PROFESSOR MACGREGOR, DR KNOTT, AND DR PEDDIE.

*Ordinary Class*¹—Professor MACGREGOR.

Daily, 11-12—Winter Session—Qualifying for M.A. Degree.

The work of the Class is conducted partly by lectures and partly by laboratory exercises. The subjects treated in the lectures are the elements of the following:—Dynamics (including Kinetics and Statics), the properties of Solids, Fluids and Gases (including Gravitation, Elasticity, &c.), Sound, Heat (including Thermodynamics), Light and Radiation generally (including Geometrical and Physical Optics), and Electricity and Magnetism.

¹ See footnote 3, p. 69.

Two courses of tutorial lectures are given by the Class Assistant, for the more advanced and the less advanced students respectively. In the former, Dynamics is studied systematically; in the latter, the subjects of the Professor's lectures are illustrated by the solution of problems. The lectures are held at hours selected to meet the convenience of students.

The practical exercises are optional. Those who wish to undertake them are admitted to the Laboratory for the purpose without the payment of any additional fee.

Four Examinations are held during the Session on the ordinary work of the class, at which students who wish to obtain either Qualifying Certificates or Certificates of Merit are required to appear. For the former, a knowledge of the "Intermediate" Mathematics of the Preliminary Examination is assumed; for the latter, the "Higher Standard" Mathematics.

Candidates for Certificates of Merit are expected in addition to carry out and report upon a short series of practical exercises, and (for First Class Certificates) to appear at a Special Examination in Dynamics.

Books of reference:—MacGregor's Kinematics and Dynamics, Hastings and Beach's, Knott's, Peddie's, or Watson's Physics, Tait's Newton's Laws of Motion, Properties of Matter, Heat, and Light, Maxwell's Theory of Heat, and other books to be found in the Reading Room of the University Library.

Honours Class in Dynamics—Dr KNOTT.

Monday, Wednesday and Friday, 9-10.—Winter Session (before Christmas). — Qualifying as a half-course for M.A. Honours.

The lectures treat of the less advanced portions of the Dynamics of Particles, Rigid Solids, and Flexible Strings.

A knowledge of Analytical Geometry and of the ordinary processes of the Differential and Integral Calculus is assumed.

Books of reference:—Tait's "Dynamics," Tait and Steele's "Dynamics of a Particle," and other works to be found in the Reading Room of the University Library.

Honours Class in Thermodynamics—Professor MACGREGOR.

Monday, Tuesday (occasionally), Wednesday and Friday, 9-10.—Winter Session (after Christmas).—Qualifying as a half-course for M.A. Honours.

The work of the Class consists of a Course of Lectures on Thermodynamics.

Books of reference :—Tait's, Baynes', Parker's, Buckingham's, and Planck's Thermodynamics, Whetham's Theory of Solution, Lehfeldt's Physical Chemistry, and other works provided in the Reading Room.

Honours Class in Electricity—Professor MACGREGOR.

Monday, Tuesday (occasionally), Wednesday and Friday, 12-1.—Winter Session (before Christmas).—Qualifying as a Half-Course for M.A. Honours.

The Class work consists of Courses of Lectures on (1) Electrostatics and Magnetism, and (2) Electrokinetics and Electromagnetism. These Courses are given in alternate years (the second in 1906-7), and neither pre-supposes a knowledge of the other. Each Course qualifies as a Half-Course for M.A. Honours.

Acquaintance with the subjects of the Honours Classes in Dynamics and Thermodynamics is assumed.

Books recommended for reference :—J. J. Thomson's Mathematical Theory of Electricity and Magnetism, Tarleton's Mathematical Theory of Attraction, Routh's Analytical Statics, Maxwell's, Webster's, and Mascart and Joubert's Electricity and Magnetism, Gray's Magnetism and Electricity, and other works to be found in the Reading Room.

Honours Class in Advanced Dynamics—Dr KNOTT.

Monday, Wednesday and Friday, 12-1.—Winter Session (after Christmas).—Qualifying as a Half-Course for M.A. Honours.

The work of the Class consists of a Course of Lectures on the more advanced parts of Dynamics, Elasticity, Hydro-

dynamics, and Thermal Conduction, two only of the last three branches being taken up in any one term.

A knowledge of the subjects of the Honours Class in Dynamics is assumed.

Books of reference :—Tait's "Dynamics," Thomson and Tait's "Natural Philosophy," Minchin's "Statics," Lamb's "Hydrodynamics," Fourier's "Theory of Heat."

Honours Class in Physical Applications of Quaternions—

Dr KNOTT.

Alternate Days with Wave Theory Class, 9-10.—Summer Session.—Qualifying as a Half-Course for M.A. Honours.

A Course of Lectures will be given on the Application of Quaternion or Vector Analysis to Dynamics and Mathematical Physics. It may be regarded as a dynamical introduction to the study of Vector Algebra, which is becoming more and more important in the higher branches of Dynamics, and especially in the Theory of Electricity and Magnetism. Students proposing to take the course are strongly recommended to read beforehand Chapters I. to V. of Kelland and Tait's *Introduction to Quaternions* (3rd edition).

Certain sections of Tait's "Quaternions" and of Kelland and Tait's "Introduction to Quaternions" (3rd edition), will be found useful for reference.

Honours Class in Wave Theory—Dr PEDDIE.

Alternate Days with Quaternions, 9-10.—Summer Session.—Qualifying as a Half-Course for M.A., with Honours.

The work of this Class deals with the Mathematical Treatment of the Undulatory Theory both from the Kinematical and the Dynamical sides. Such subjects as Electromagnetic Theory, Elastic-Solid Theory, Electron Theory, Theory of a Rotationally Elastic Medium, etc., are dealt with.

As in general only one subject can be treated in one Session, details regarding the work for each Session will be intimated beforehand.

The work of the Class on any two successive Sessions is made entirely distinct, and two such distinct Courses qualify as two Half-Courses for the M.A., with Honours.

Advanced Experimental Physics Class—Dr PEDDIE.

Daily, 10 to 11.—Summer Session.

In this Class such subjects as Constitution of Matter, Kinetic Theory, Sound, Light, Electromagnetic Radiation, Electricity, etc., are treated from the point of view of theory and experiment. A main object is to give training in the methods of induction and deduction as used in the higher developments of physics. The discussion is, in each case, carried out so as to include the results of the most recent work. The work of the Class on any two successive Sessions is made entirely distinct. Subjects for each Session will be intimated beforehand.

A full Course qualifies for the Final Science Examination. Half-Courses (one or two) qualify in connection with the M.A. Honours Degree. To meet the latter purpose independent subjects will be treated on alternate days throughout the Session so as to form two Half-Courses.

For the Syllabus of the Advanced Science course in Dynamics see Courses in Science.

For the Medical Physics Class see Faculty of Medicine.

*Junior and Senior Practical Classes—Professor MACGREGOR
and Dr PEDDIE.*

Daily, 10 to 3—Winter and Summer Sessions.

The work of these Classes includes the experimental investigation of simple physical laws, and the performance of laboratory exercises intended to afford experience of the use of a variety of physical instruments and methods.

Short courses of lectures on the treatment of errors and the discussion of the results of observation are given to Junior Students in both Winter and Summer Sessions, by the Professor, who gives also, in the Summer Session, a Course of about twenty Lectures to Senior Students, on the Theory of Errors and the Method of Least Squares.

All Students are recommended, and candidates for Qualifying Certificates and Certificates of Merit are required, to keep systematic records of the exercises carried out and to submit them for inspection.

These Classes do not qualify for the M.A. degree, but are preparatory to the Advanced Practical Class.

Books of reference: Kohlrausch's Physical Measurements, Glazebrook and Shaw's, Stewart and Gee's, and Schuster and Lees' Practical Physics, Ostwald's Physico-Chemical Measurements, Threlfall's Laboratory Arts, and others to be found in the Natural Philosophy Library.

Advanced Practical Class—Professor MACGREGOR
and Dr PEDDIE.

Daily, 9 to 6—Winter and Summer Sessions.

Qualifying as a Half-Course for M.A. Honours.

The work consists of the conducting of original investigations in those departments of Physics in which the Laboratory is provided with the requisite apparatus.

Students entering this Class are assumed to have acquired facility in using the experimental methods studied in the Senior Practical Class. They will find it of great advantage to have acquired a reading knowledge of French and German, and to have taken a sufficient course in the Chemical Laboratory to enable them to carry out not only qualitative but also volumetric and gravimetric quantitative analyses.

Students who engage in research, whether independently or in conjunction with the Professor or one of the Lecturers, will be required to acquaint themselves with the literature of their subject, and to prepare reports on the methods and results of their work.

ASTRONOMY.

PROFESSOR DYSON.

ADVANCED ASTRONOMY.

(THEORETICAL.)

Dr HALM.

This Class qualifies as a Half-Course for M.A. Honours in Mathematics and Natural Philosophy

For Synopses of Courses see under Faculty of Science.

CHEMISTRY.

PROFESSOR CRUM BROWN.

The Graduation Course in Chemistry for Degrees in Arts consists of the Course of Lectures described under Faculty of Medicine, together with a Quarter-Course in the Chemical Laboratory.

ZOOLOGY.

PROFESSOR EWART.

This Course, the same as for Students of Medicine and Science, embraces Fifty Lectures and Fifty hours for Practical Work. The whole course must extend over seventy-five separate days. Students are recommended to attend the Lectures during the first half of the Winter Session, and to attend the Practical Class held during the second half of the Winter Session.

BOTANY.

PROFESSOR BAYLEY BALFOUR.

This Course is the same as for Students of Medicine and Science with additional laboratory work. Attendance must be given on seventy-five separate days.

GEOLOGY, INCLUDING MINERALOGY.

PROFESSOR GEIKIE.

Winter Course.

This Course, the same as for Students of Science, embraces Seventy Lectures, Twenty Hours for Practical Work, and Ten Field Demonstrations.

The second half of this Course (after Christmas) is a qualifying Half-Course.

Summer Course.

See under Pure Science. This Course is a qualifying Half-Course. Students are advised to take this Half-Course before the winter Half-Course.

IV.—DEPARTMENT OF HISTORY AND LAW.

HISTORY.

PROFESSOR LODGE.

The Course qualifies for Graduation in Arts. The subject, until further notice, is GENERAL BRITISH HISTORY, divided into the following Periods and Subjects :—

Part I.—1. The Original Peoples of Britain and the Roman Occupation.—2. The Growth of the English Nation.—3. The Growth of the Scottish Nation.—4. The Institutions of England before the Norman Conquest.—5. Norman and Angevin Rule.—6. Simon de Montfort and Edward I.—7. The Hundred Years' War.—8. Constitutional Development during the War.—9. The Social Importance of the Fourteenth Century.—10. The Scottish Monarchy, Nobles, and Parliament.—11. Personal Monarchy in England.—12. Social Changes in England under the Tudors.—13. The Reformation in England.—14. The Reformation in Scotland.

Part II.—15. Crown and Parliament (1603-1640).—16. The Long Parliament and the Protectorate (1640-1660).—17. Restoration and Revolution (1660-1689).—18. Colonies and Commerce (1600-1689).—19. Whigs and Tories : William III. and Marlborough (1689-1714).—20. Scotland and Ireland : the Union

(1689-1714).—21. The Whig Supremacy (1714-1760).—22. India and America (1714-1763).—23. George III. and the Parliament (1760-1783).—24. The American War (1763-1783).—25. Pitt and the French Revolution (1783-1815).—26. Ireland: the Union (1715-1800).—27. India (1763-1815).—28. Reaction and Reform (1815-1832).

WORK OF THE CLASS.—1. Lecture daily, except Saturdays, at eleven.

2. Three Class Examinations will be held, and three or more Essays set, during the Session. Honours will be awarded to candidates distinguished both in the examinations and in the essays.

3. The History Library (adjoining Professor Kirkpatrick's Class-Room) may be consulted by members of the History Classes during specified hours.

Books recommended.—For elementary purposes, S. R. Gardiner's "Student's History of England," or Ransome's "Advanced History of England," J. R. Green's "Short History of the English People," C. R. L. Fletcher, "Introductory History of England," Woodward, "The Expansion of the British Empire," with Hume Brown's "History of Scotland," and Morris' "History of Ireland" (Cambridge Series). For wider study, see the Syllabus given to the Class and the lists given in the "Introduction to English History" by Gardiner and Mullinger, part ii.

Honours Classes.

PROFESSOR LODGE.

The subject for the Session 1906-1907 is

THE HISTORY OF EUROPE FROM 1715-1815.

The following books are prescribed:—"Mémoires de Frédéric II." (ed. Boutaric); "Diaries and Correspondence of the First Earl of Malmesbury," vol. II., pp. 66-443, and vol. III., pp. 369-599, Autobiography of Metternich (trans.) to 1815.

Books recommended for the use of the Class.—Lavissee et Rambaud, "Histoire Générale"; Martin, "Histoire de France," tomes XV. and XVI.; Carlyle, "Frederick the Great";

Ram baud, "History of Russia"; Mahan, "The Influence of Sea Power upon History"; and "The Influence of Sea Power upon the French Revolution and Empire"; De Tocqueville, "France before the Revolution"; Mignet, "History of the French Revolution"; Carlyle, "The French Revolution" (ed. by C. R. L. Fletcher); Sorel, "L'Europe et la Revolution Française"; Seeley, "Life and Times of Stein"; Fyffe, "History of Modern Europe," vol. I.; J. Holland Rose, "Life of Napoleon"; Sorel, "Le Traité de Paris."

This Course of Fifty Lectures qualifies for graduation in Arts with Honours in History. The Lectures will be given on Mondays, Wednesdays, and Fridays at 10.

Two class examinations will be held, and two or more essays set, during the session. Students in this class may attend Mr Heatley's "Mackay Lectures," without fee, and may use the History Reading-Room.

The Honours Subject for the session 1907-1908 will be—The History of Europe from 1715 to 1815.

CONSTITUTIONAL HISTORY (ENGLISH)

(with special reference to Wycliffe, the Papacy, and Bohemia).

Honours Course—Fifty Lectures.

PROFESSOR KIRKPATRICK.

I. Introductory—Constitutional principles evolved by conflicts between State and Church—Precursors of Wycliffe. II. Outline of Wycliffe's career—his doctrines—Lollardy—Survival of Wycliffe's influence. III. The Great Schism—the Empire and the Papacy—Huss, Jerome, of Prague, and Peter Payne—Luther. IV. Illustrations of Wycliffe's doctrines from his works and other original sources.

Books recommended.—Wycliffe's Works—"Select English Works," ed. by Thomas Arnold, 3 vols. 1869-71; "English Works of Wyclif hitherto unprinted," ed. by F. D. Matthew, 1880; Johann von Wiclif und die Vorgeschichte der Reformation" (by Dr G. V. Lechler, 2 vols., Leipzig, 1873) or translation by Lorimer); "Fasciculi Zizaniorum," ed. by W. W. Shirley (Rolls Series, 1858); "Political Songs," ed. by Wright

(Rolls Series); "Chronicon Angliae," ed. by E. M. Thomson, 1874; "Piers the Plowman," and Chaucer's "Prologue"; Walsingham's "Historia Anglicana," ed. by Riley (Rolls Series); Loserth's "Wiclif und Hus" (or translation); James Baker's "Peter Payne, a great forgotten Englishman"; Palacky's "Documenta Magistri Jo. Hus vitam illustrantia" (1403-18); Wycliffe's "Wicket," "Trialogus" (ed. by Lechler; Clar. Press), and "De officio regis"; Creighton's "Papacy during the Reformation," vols. I. and II.); Trevelyan's "Age of Wycliffe"; Armitage's "John of Gaunt"; Seebohm's "Oxford Reformers."

This course, qualifying for graduation in Arts with Honours in History, or with Honours in English, will be given during the Session 1907-8 (Mon., Wed., Fri. at 4 P.M.). Students attending them may use the History Library, and may attend the Mackay Lectures without additional fee.

COLONIAL AND FOREIGN CONSTITUTIONAL LAW
AND HISTORY.

Honours Course—Fifty Lectures.

PROFESSOR KIRKPATRICK.

I. Introductory—Constitutional principles discussed—Colonial History of N. America—Colonial constitutions (Virginia, Massachusetts, Connecticut, etc.)—The U.S.A. constitution—Its influence on France—History and examination of the French constitutions (1791-1875)—Constitutional History of Switzerland, in outline—Constitutional History of Germany, in outline (1806-71)—The Germanic constitutions (Prussia, the Empire, etc.)—Constitutional History of Hungary, in outline—Constitution of Austria—Constitution of the Dual Monarchy of Austria-Hungary—Reference to other European constitutions.

Text-Books :—Thwaites' The Colonies, and Hart's Formation of the Union (Epochs of American History); L. Alston, Modern Constitutions in Outline (Introductory); Johnston's History of the United States; Macy's Our Government; Bryce's American Commonwealth; Bancroft's History of the Constitution of the U.S.A.; Winsor's History of the U.S.A.; Adams and Cunningham's Swiss Confederation; Dareste's or Demombynes' Con-

stitutions; Boutmy's Studies in Constitutional Law; Borgeaud's Adoption and Amendment of Constitutions; A. Lawrence Lowell on Governments and Parties in Europe, etc.

This course, qualifying for graduation in Arts with Honours in History, will be given in Session 1906-7, and alternates with the above Honours Course on English Constitutional History (Mon., Wed. and Frid., at 4 P.M.).

The Mackay Lectures by Mr D. P. Heatley, Lecturer and Assistant in History, are free to members of this Class.

The History Reading-Room (adjoining the Lecture Room) is open to members of the Class six hours weekly, the hours being fixed at the beginning of each Winter Session.

ANCIENT (SCOTTISH) HISTORY AND PALÆOGRAPHY.

PROFESSOR HUME BROWN.

I. Ancient (Scottish) History (*Mondays, Wednesdays and Fridays*, from 4 to 5 P.M.).—The main subject of this Course is Scottish History from its origins to the close of the 15th century, but the histories of other countries will be treated, so far as they directly bear on the development of Scotland. The Course will be divided into the following periods:—(1) The Roman Occupation. (2) The Moulding of Scotland through the gradual union of Picts, Scots, Britons and Angles. (3) The Consolidation of Scotland. Under this head will be discussed the growth of Civil, Political and Ecclesiastical Institutions, and the appearance and influence of Historic Families. (4) The War of Independence. (5) The Struggle between the Crown and the Barons.

This Course qualifies for Graduation in Arts with Honours in History.

Books prescribed:—Skene, "Celtic Scotland," vol. i.; Rhys, "Celtic Britain" (3rd Edit.); Hill Burton, "History of Scotland (volumes dealing with the period prescribed); the Professor's "History of Scotland," vol. i.

Books recommended:—E. W. Robertson, "Early Kings of Scotland"; Bishop Dowden, "The Celtic Church in Scotland"; Lord Hailes, "Annals of Scotland"; Fraser Tytler, "The

History of Scotland from the Accession of Alexander III. to the Union"; Cosmo Innes, "Scotland in the Middle Ages"; "Sketches of Early Scotch History"; "Scotch Legal Antiquities"; Pinkerton, "History of Scotland from the Accession of the House of Stuart to that of Mary"; A. Lang, "History of Scotland," vol. i.; Bain, "The Edwards in Scotland."

II. Palæography (Tuesdays and Thursdays, from 4 to 5 P.M.).

This Course will deal only with Latin Palæography, and specially with the period from the 11th to the 15th century (inclusive). The opening meetings of the Class will be devoted to the study of hand-writing from the 5th to the 11th century, but the chief work of the class will consist in the reading of Scottish Documents from the 11th century. Illustrative specimens of the documents of other countries will also be read. Questions of Diplomatic will be discussed in connection with the reading of Documents.

N.B.—Some knowledge of Latin is required for this Class.

Text-Book:—Maunde Thompson, "Handbook of Greek and Latin Palæography."

Books recommended:—Chassant, "Paléographie des Chartes et des Manuscrits"; Prou, "Manuel de Paléographie, Latine et Française"; "National MSS. of Scotland," Part I.

POLITICAL SCIENCE.

Lecturer—D. P. HEATLEY.

A full Honours Course on Political Science for graduation with Honours in History and in Economic Science will be given in two separate parts of twenty-five lectures each:—

(1) *Winter Session*, 1906-7, on Mondays, Wednesdays and Fridays at twelve, beginning on 9th January 1907:—

The History of Political Thought since the Reformation, with a retrospect. The Course will include a comparative study of political theories.

(2) *Summer Session*, 1907, on Mondays, Wednesdays and Fridays at 10, beginning on 1st May 1907:—

The Modern State: The Scope of Politics; Foundations, Structure and Working of the State; the Federal State; Functions of Government; Legislative and Administrative Methods; Central and Local Authority; Representative Government; Problems of Modern Democracy.

Books: Woodrow Wilson, "The State"; Aristotle, "Politics"; Hobbes, "Leviathan," Part II. ("Of Commonwealth"); Locke, "Civil Government"; Mill, "Representative Government"; "The Federalist," ed. by H. C. Lodge; Gierke, "Political Theories of the Middle Age," transl. and ed. by F. W. Maitland; Dicey, "Law of the Constitution"; Janet, "Histoire de la Science Politique"; Bryce's "Studies in History and Jurisprudence"; Graham, "English Political Philosophy from Hobbes to Maine."

Mackay Lecturer—D. P. HEATLEY.

BRITISH STATESMEN OF THE EIGHTEENTH AND
NINETEENTH CENTURIES.

This Course of Twenty Lectures will be given before Christmas, on Tuesdays and Thursdays at 12.

The Lectures will treat of the following statesmen and of their political problems: Bolingbroke, Walpole, Carteret, Henry Pelham, Chatham, Burke, Pitt, Canning, Peel.

Lecky's *History* may be used in connection with the lectures.

BRITISH HISTORY (*Honours Course*).

Lecturer—D. P. HEATLEY.

A Course of Fifty Lectures qualifying for graduation with Honours in History will be given in two parts of twenty-five lectures each:—

- (1) *Winter Session, 1906-7: The History of England, 800-1307.*
- (2) *Summer Session, 1907: The History of England, 1485-1660.*

The lectures will be on both general and constitutional history. The work will include a study of the three volumes of documents edited by Stubbs, Prothero, and Gardiner.

BRITISH HISTORY (*Elementary Course*).

Lecturer—D. P. HEATLEY.

Summer Session, 1907.

This Course of Twenty Lectures will treat of the political development of Britain from the earliest to modern times.

ANCIENT HISTORY (Classical).

G. H. STEVENSON, M.A., *Lecturer.*

See under Classics.

ECONOMIC HISTORY.

A. B. CLARK, M.A., *Lecturer.*

See under Philosophy.

FINE ART.

PROFESSOR BALDWIN BROWN.

This Course of one hundred Lectures, qualifying for the M.A. degree, is designed—

1. To bring before students, by critical descriptions and illustrations, the chief ancient and modern works of Architecture, Sculpture, Painting, and the Decorative or Industrial Arts.

2. To show how these works are connected in origin and use with the national and social life of successive epochs ; and, conversely, how Artistic Monuments illustrate Classical and Biblical literature, and bear on historical investigation in general.

3. To explain as far as practicable the technicalities of the various Arts, and to open up those aspects of Art which present themselves naturally to the artist, but are sometimes overlooked by the literary student.

On the historical side—

The characteristics of different styles and schools of Art will be broadly indicated, but this part of the subject, which can be studied from books, will not be dwelt upon at length.

On the artistic side—

Particular stress is laid on the explanation of different materials and technical processes, as upon these largely depend the particular forms in which beauty is realised in the various works of human hands.

Arrangements for the work of the Class :—There are Lectures daily at 3 P.M. Three Class examinations are held, and a series of eight Essays are set for the Cousin Prize (£15). The Essays, to the number of at least five, are included in the work required from those taking the Course for Graduation.

The Class Library, Reading Room, and collections of examples are open to members of the Class.

Museums, &c., are visited from time to time on Saturdays.

The Professor's manual, "The Fine Arts," is used, so far as it goes, as a text-book. Other books to be read by those taking the Course for Graduation are indicated on page 152.

Honours Course.

CLASSICAL ARCHÆOLOGY AND HISTORY OF
ANCIENT ART.

This Course qualifies as an alternative subject for Honours in History. For details see page 82.

CONSTITUTIONAL LAW AND HISTORY.

PROFESSOR KIRKPATRICK.

(See under Faculty of Law.)

ECCLESIASTICAL HISTORY.

PROFESSOR TAYLOR.

(See under Faculty of Divinity.)

ROMAN LAW.

PROFESSOR MACKINTOSH.

A full Course qualifying for Graduation in Arts is given during the Winter Session. Attendance during two successive Summer Sessions will also constitute a qualifying course.

For details see under Faculty of Law.

PUBLIC INTERNATIONAL LAW.

PROFESSOR SIR LUDOVIC J. GRANT, BART.

This Course of Forty-five class meetings commences on 8th January 1907, at 2. *Vide under Faculty of Law.*

ADVICE TO STUDENTS REGARDING CURRICULA IN ARTS.

1. Every intending Arts Student is advised to make himself familiar with the Regulations for Graduation in Arts before commencing his course. In particular he should make sure, in the first place, that he has complied with all the Conditions of the Preliminary Examination. He should then choose a Curriculum to suit his requirements; see that it satisfies the regulations; that he has all the qualifications necessary for entering certain Classes; and that his studies are spread over the required number of Sessions. In any case of doubt he should consult the Dean of the Faculty.

2. While Students are fully at liberty to arrange their Curricula as they deem best for their particular requirements, the Faculty of Arts strongly recommend Candidates for the *Ordinary Degree* to devote their First Session to Languages and Mathematics.

The Third Session should be devoted to those subjects which presuppose a previous training in others, such as English Literature, Political Economy, Education, the advanced subjects in History, and the Law subjects.

3. Candidates for Honours Degrees are advised so to arrange their classes that they may be able to devote the whole of the year immediately preceding the Honours Examination to the special work of their Honours Group.

4. Honours Students and Students studying for special examinations, should, as early in their Course as possible, consult the Professors of the Special Subjects which they are to study. Professor Hardie is Convener of a Committee specially charged with the Supervision of those studying for the Indian and Home Civil Service Examinations.

The attention of the students referred to under this head is directed to the Summer Classes, which afford them obvious facilities for arranging their studies so as to economise time, *e.g.*, they may take Summer half-Courses in some of the subjects in which they have to pass on the standard of the Ordinary Degree.

5. For special and detailed advice as to each subject, students should consult the several Professors or Lecturers *before entering upon their Curricula*. In particular, those who intend proceeding afterwards to Degrees in Divinity, Law, Medicine, Science, or Music, should in cases of doubt, consult the Deans of these Faculties as to the most appropriate Arts Curriculum.

Graduation in Arts.¹

Candidates who commenced attendance on qualifying Classes before 1st October 1892 are referred to the CALENDAR for 1895-96, or previous CALENDARS.

The Degree admits to professional Study, to the Army, &c. It also qualifies for Masterships of Public Schools, subject to an examination in the methods of instruction, and six months' attendance in a Public School for the practice of teaching. Those who take the Schoolmaster's Diploma are, however, exempted from this Examination, if Graduates of this University, or if, being Graduates of other Universities, they are recognised by the Education Department during the currency of the session.

ACADEMIC YEAR.

I. The Academic year commences on the first day of October. The winter session opens about the middle of October, and includes not less than twenty teaching weeks. The summer session opens about the beginning of May, and includes not less than ten teaching weeks.

II. The Curriculum for the degree of Master of Arts (M.A.) extends over not less than three winter sessions, or two winter sessions and three summer sessions.

PRELIMINARY EXAMINATION.²

III. (1) Before entering on the Curriculum (subject to the *proviso* contained in Section IV., Sub-section 1) each student must pass a Preliminary Examination in the following subjects:—

1. English.
2. Latin or Greek.
3. Mathematics.
4. One of the following:—Latin or Greek (if not already taken), French, German, Italian, or such other language as the *Senatus Academicus* may approve,³ Dynamics.

(2) The examination must be passed in the matters and on the standards hereinafter defined; but there is a higher and a lower standard in Latin, Greek, and Mathematics.

Candidates must pass on the higher standard in at least one of these three subjects, and may pass on the lower standard in either or both of the remaining two; subject always to the conditions relative to attendance contained in Section IV. hereof.

(3) English includes Grammar and Composition, and the outlines of Geography and British History, and the standard must not be lower

¹ The annual amount of Matriculation, Class Fees, &c., of the regular course in Arts may be estimated at about £10, 10s. See Regulations as to payment of Class Fees by Carnegie Trust, page 164. See Advice to Students regarding Curricula, page 117.

² See also additional Regulations of the Joint Board of Examiners, pages 511-515 inclusively. All communications as to the Preliminary Examinations, or exemptions therefrom, should be addressed to the *Clerk of Senatus*.

³ Any Candidate who proposes to be examined in a language other than those above named, is required to apply to the *Senatus* for approval before 1st February or 1st July for the Spring and Autumn Examinations respectively.

than that presently adopted for the Higher Grade Leaving Certificate of the Scotch Education Department.

(4) Latin and Greek comprise grammatical questions, translation into English from Latin or Greek authors not previously prescribed, and translation of plain passages or easy sentences from English into Latin or Greek. The higher standard must not be lower than that formerly adopted in the examination for a Curriculum of three sessions, or for the Higher Grade Leaving Certificate of the Scotch Education Department, and the lower standard must not be lower than that presently adopted for the Lower Grade Leaving Certificate of the said Department.

(5) French, German, and Italian comprise grammatical, literary, and easy philological questions, translation into English from French, German, or Italian authors not previously prescribed, and translation from English into French, German, or Italian; and the standard must not be lower than that presently adopted for the Higher Grade Leaving Certificate of the Scotch Education Department.

(6) Mathematics on the lower standard comprises—(1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration.

(7) Mathematics on the higher standard, in addition, comprises Euclid, Books IV., VI., and the first twenty-one propositions of Book XI. (or their equivalents), with deductions, Quadratic Equations, Trigonometry to the solution of Triangles inclusive, and the use of Logarithmic Tables.

(8) Dynamics means the Elementary Statics and Kinetics of Solids, Liquids, and Gases.

(9) A candidate must pass in all the required subjects at one or not more than two examinations, but may offer himself for re-examination as often as may be necessary to satisfy this condition.

IV. (1) Attendance on any class does not qualify for graduation, unless the whole Preliminary Examination has been passed. But any Student who has passed in Latin, Greek, or Mathematics on the higher standard may attend a qualifying class in such subject or subjects without having passed in the other subjects of the examination, provided always that (a) no candidate will be allowed to present himself for examination in any subject qualifying for graduation until he has passed the whole Preliminary Examination, and (b) no Student will be ad-

mitted to a degree in Arts unless he has attended qualifying classes in the University granting the degree, or in another Scottish University, as provided by Section XXV. hereof, for three Academic years after he has completed his Preliminary Examination.

(2) Attendance on a class in any language included in the Preliminary Examination does not qualify for graduation, unless the candidate, before entering the class, has passed the Preliminary Examination in that subject, and on the higher standard where a double standard is provided. He may, for that purpose, attend any Preliminary Examination held during the course of his study, taking only the paper set in that subject; provided always that the provisions of the subsection immediately preceding have been satisfied.¹

(3) Attendance on a class in any language not included in the Preliminary Examination will not qualify for graduation, unless the candidate has previously passed an examination in that language on a standard as nearly as possible equivalent to the higher standard of the languages included in the Preliminary Examination.²

(4) Attendance on a class of Mathematics or Natural Philosophy will not qualify for graduation unless the candidate, before entering the class—in addition to the examination in Mathematics on the Lower Standard required of all students—has passed an examination in the following subjects [Intermediate Mathematics]¹ :—

(a) Euclid : Book VI., Propositions 1-19, or Geometry equivalent thereto.

(b) Algebra : Quadratic Equations, Ratio and Proportion.

(c) The Trigonometry of Right-angled Triangles.

(5) A student, who, having passed the Arts Preliminary Examination in accordance with these Regulations, has thereafter obtained a certificate of attendance on a qualifying class of Mathematics, will not be required to pass any further examination in Mathematics as a condition of entering on the course of study for graduation in Science.

V. (1) The Preliminary Examination is held at each University twice in each year, and is conducted in writing.

(2) The Joint Board of Examiners has power to accept the Higher Grade Leaving Certificate of the Scotch Education Department in any subject as an equivalent for the Preliminary Examination in that subject; and to accept the Lower Grade Leaving Certificate of the said Department as an equivalent for the Preliminary Examination on the lower standard in Latin, Greek, and Mathematics; provided they are satisfied that the standard of the examination, at which the

¹ Candidates are required to enter for examination at the usual periods and to pay the fee of 10s. 6d.

² Candidates who require to pass an examination for entering on the courses of Sanskrit, Hebrew, Arabic, Syriac, or Celtic, are required to enter their names and pay the fee of 10s. 6d. at the usual periods for entering for the Preliminary Examination.

said certificates were granted, is not lower than that required by these Regulations.

(3) The Joint Board has power to determine what examinations, if any, other than those for the Leaving Certificates of the Scotch Education Department may be accepted as equivalent to the Preliminary Examination in whole or in part, provided they are satisfied that such other Examinations are in fact equivalent thereto.

ORDINARY DEGREE.^{1 2}

VI. Candidates for the ordinary degree of Master of Arts may follow the Curriculum and take their degree in the subjects recognised for graduation under the Universities (Scotland) Act, 1858, subject always to the preceding provisions of these Regulations; or they may vary the Curriculum for graduation under the regulations contained in the immediately succeeding sections.

VII. (1) Candidates must attend full courses in at least seven subjects, and are examined on these subjects.

(2) Of these subjects four must be (*a*) Latin or Greek (not modern Greek); (*b*) English or a Modern Language (French, German, Italian, or Spanish), or History; (*c*) Logic and Metaphysics, or Moral Philosophy; (*d*) Mathematics or Natural Philosophy.

(3) The remaining subjects may be selected by the candidate from the Departments specified in Section IX. of these Regulations, under the following condition:—That the whole subjects taken must include either (*a*) both Latin and Greek (not modern Greek), or (*b*) both Logic and Moral Philosophy, or (*c*) any two of the following three subjects,—Mathematics, Natural Philosophy, and Chemistry.

VIII. (1) Each of the subjects must be studied in a full course of not less than one hundred meetings of the class on separate days, except in cases where the Senatus, with the approval of the University Court, have sanctioned, as qualifying for graduation, half courses of not less than fifty meetings on separate days; or where the Senatus, with the approval of the said Court, may, having regard to the nature of the subject, sanction full courses of less than one hundred or half courses of less than fifty meetings respectively.

(2) Two half courses are held to be equivalent to a full course in such cases as the Senatus, with the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) Where a subject is taught in a practical class, as well as in a systematic class, the Senatus, with the approval of the University Court, regulates the course of study and determines the relative proportion of lectures and laboratory or practical work.

¹ See advice to Students regarding Curricula, p. 117.

² For Appointments Committee, see p. 166.

IX. The Departments of Study for graduation in Arts in each University, if adequate instruction is provided, include the following subjects, with such additions or modifications in any University as may hereafter be made by Ordinance of the University Court :¹—

1. *Language and Literature.*

Latin.	Italian.
Greek.	Spanish.
Modern Greek.	Sanskrit.
English.	Hebrew.
French.	Arabic or Syriac.
German.	Celtic.

2. *Mental Philosophy.*

Logic and Metaphysics.	Education (Theory, History, and Art of).
Moral Philosophy.	Philosophy of Law.
Political Economy.	

3. *Science.*

Mathematics.	Zoology.
Natural Philosophy.	Botany.
Astronomy.	Geology.
Chemistry.	

4. *History and Law.*

History.	Constitutional Law and History.
Archæology and Art (History of).	Roman Law.
	Public Law.

X. Candidates who produce certificates that they have satisfied all the conditions prescribed by these Regulations, and who have passed the necessary examinations, are entitled to receive the ordinary degree of M.A. on payment of the fees required.

DEGREE WITH HONOURS.^{1 2 3 4}

XI. (1) The degree of M.A. may be taken with Honours in any of the following Groups, in which Honours Classes have been established in at least two subjects :—

¹ See advice to Students regarding Curricula, p. 117.

² The Senatus have resolved that two Honours groups, in which there are common or overlapping papers shall not be taken by a candidate in the same year.

³ *Civil Service Commission Examinations.*—Candidates for Graduation in Arts with Honours are reminded that most of their subjects are admissible also in the Public Examinations held by the Civil Service Commission and other Public Examinations, on the results of which many important posts in India and at home are awarded each year. A Committee of the Senatus has been formed for the purpose of directing the studies of Students who have these examinations in view. Those who desire advice or information on this subject should apply to Professor Hardie, Convener of the above-mentioned Committee.

⁴ For Appointments Committee, see p. 166.

- (a) Classics (*i.e.* Latin and Greek, with optional subjects such as Comparative Philology, Ancient Philosophy, Classical Archaeology, and Ancient History—Greek and Roman).
- (b) Mental Philosophy.
- (c) Mathematics and Natural Philosophy.
- (d) Semitic Languages.
- (e) Indian Languages.
- (f) English (Language, Literature, and British History). English Literature is the chief subject of this group, the linguistic and historical subjects being regarded as subsidiary.
- (g) Modern Languages and Literature.
- (h) History.
- (i) Economic Science (*i.e.* Political Economy, with either (a) Moral Philosophy or (b) History as Supplementary Honours subjects).

(2) Every candidate must take up at least five subjects. Two of these subjects, under separate Professors or Lecturers, must be selected from the candidate's Honours Group; and the five subjects must include one from each of the Departments of Language and Literature, Mental Philosophy, and Science, set forth in Section IX. of these Regulations.

(3) Every candidate must attend seven Classes, taking two Classes (one of which must be an Honours Class) in each of his Honours subjects.

(4) A candidate who has obtained Honours in any one Group may, before graduating, present himself again for examination in a second Honours Group.¹ In such a case, he will not be required to attend more than two additional Classes, which must be Honours Classes, in the second Group.

Notwithstanding the foregoing provisions of this sub-section and of Section XIV. Sub-section (1) hereof, a candidate who has already graduated may present himself for examination in any Honours Group within five years from the date of his first matriculation after having passed the Preliminary Examination. If he be successful in obtaining Honours, he shall receive a special certificate stating the Honours Group in which he has presented himself, and the class he has obtained in the Group.

(5) The examination in the subjects comprised in the candidate's Honours Group must be of a higher standard than that required for the ordinary degree of M.A. In his other subjects the standard will be that required for the ordinary degree.

(6) The Senatus, subject to the provisions of Sections XVI. to XX. of these Regulations, from time to time determines what subjects are comprised in each Group, what subjects may be taken in half-courses, and in which Group they may be taken: Provided that no new Group shall be instituted except by Ordinance of the University Court.

¹ See footnote 2, page 122.

(7) The provisions of Section VIII. of these Regulations applies to Candidates for Honours ; but, in their case, not fewer than fifty meetings, on separate days, extending over an entire winter session, will constitute a full course for an Honours Class ; and not fewer than twenty-five meetings on separate days, extending over half a winter session, or an entire summer session, will constitute a half course.

XII. (1) Every candidate must include Latin, or Greek, either in his Honours Group or as one of the subjects in which the standard of examination is that required for the ordinary degree of M.A.

(2) Greek is compulsory for candidates for Honours in Mental Philosophy. But candidates for Honours in Mental Philosophy who have included Latin, but not Greek, as one of the subjects in which the standard of examination is the same as that required for the ordinary degree of Master of Arts, will be deemed to have satisfied the provisions of this sub-section, if, before they offer themselves for the Honours Examination in Mental Philosophy, they have passed a special examination in translating into English passages from the works of Greek philosophical authors, including passages from the works of such authors not previously prescribed.

(3) Candidates for Honours in English, or Modern Languages and Literature, or History, or Economic Science (Groups *f*, *g*, *h*, *i* of Section XI. hereof) must include within the whole subjects taken for their degree (a) Logic and Metaphysics or Moral Philosophy, and (b) Mathematics or Natural Philosophy.

(4) Every candidate must obtain a certificate of attendance on the class of Latin or Greek, under Sub-sections (1) or (2) of this section, before he offers himself for examination in his Honours group of subjects.

(5) Candidates for Honours in Economic Science (Group *i* of Section XI. hereof), who take Moral Philosophy as their supplementary Honours subject, may take a half course in the History of Civil Law and a half course in the Philosophy of Law, which, together, shall be deemed to constitute one of the subjects in which the standard of examination is that required for the ordinary degree of Master of Arts.

XIII. (1) The whole examination in the candidate's Honours Group must be taken at one time, and the whole examination necessary for graduation with Honours must be taken within five years from the date of the candidate's first matriculation after having passed the Preliminary Examination, unless that period shall be extended by the Senatus on special cause shown ; and in every such case the Senatus must make a report to the University Court setting forth the reasons for the extension.

(2) Candidates for Honours may be examined, at any time during their Curriculum, in the three subjects in which the standard of examination is that required for the ordinary degree of M.A.

XIV. (1) A candidate who has passed the examinations necessary

for the ordinary degree of M.A., but who has not yet graduated, may present himself for Honours within five years from the date of his first matriculation after having passed the Preliminary Examination, and will not be required to attend further classes :—subject always to the provisions of Section XII. hereof.

(2) No one is allowed to present himself a second time as a candidate for the degree of M.A. with Honours, who, upon examination, has failed to obtain Honours.

(3) A candidate is held to have presented himself who has notified his name for examination in accordance with the University regulations. But it will be in the power of the Senatus to relax this rule on special cause shown ; and in every such case the Senatus must make a report to the University Court setting forth the reasons for the relaxation.

XV. (1) In each Group there are three Grades of Honours, to be denominated respectively the First, Second, and Third Class. The names of the candidates entitled to Honours in each class are arranged in alphabetical order.

(2) For the degree of M.A. with Honours a Diploma is given setting forth the subjects in which he has taken Honours.

BOARDS OF STUDIES.

XVI. The Senatus of each University from time to time institutes Boards of Studies corresponding as nearly as may be to the Departments of Study enumerated in Section IX. of these Regulations.

XVII. Each Board of Studies consists of such Members of the Senatus and Lecturers in the University as the Senatus may from time to time select, and the Senatus appoints one of the Members of the Board to be Convener thereof.

XVIII. Before the end of each winter session each Professor and Lecturer in the said Departments of study must submit to the proper Board of Studies for its approval a syllabus of the subjects and books proposed for the work of his class for the next Academical year ; and also a syllabus of the subjects and books to be prescribed for the Examinations for the Ordinary Degree of M.A. in the next Academical year, and for the Honours Examinations in the Academical year next but one. As soon as such approval has been given, these syllabuses must be transmitted to the Faculty of Arts for its consideration. The syllabuses, with such observations as the Faculty of Arts may see fit to make thereon, must then be transmitted to the Senatus for its sanction.

XIX. (1) Before the end of each winter session each Board of Studies must prepare a scheme, defining, for the Academical year next but one following, the classes which are deemed to be Honours Classes, and

the subjects and courses of reading for Honours in its Department, and must report the same to the Faculty of Arts for its consideration. The scheme, with such observations as the Faculty of Arts may see fit to make thereon, is then transmitted to the Senatus for its sanction.

(2) Each Board must in like manner make recommendations through the Faculty of Arts to the Senatus in regard to the half-courses which may be sanctioned under these Regulations, and the lectures which may be given on special subjects.

XX. The Principal and the Dean of the Faculty of Arts are *ex officio* Members of each Board of Studies. The Convener presides, and, in his absence, each meeting appoints its own Chairman, and every Chairman has a deliberative, and, in cases of equality, a casting vote.

GENERAL.

XXI. In the case of a foreign student, whose native language is other than English, the standard required in English in the Preliminary Examination is such as the Joint Board of Examiners deems sufficient. In the case of a student, whose native language is other than European, the Senatus may accept as an alternative to Latin or Greek any other classical language, such as Sanskrit or Arabic, subject always to the provisions of Section IV., Sub-section 3 hereof.

XXII. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class as qualifying for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint; and in every such case the Senatus must make a report to the University Court setting forth the reasons for the relaxation.

XXIII. The examination in all the languages in the Curriculum must, as far as possible, be on the same standard in examinations for the same degree, and will in all cases test the candidate's knowledge of the history and literature of the several countries.

XXIV. A candidate for the degree of M.A. is not deemed to have attended a class as part of the Curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XXV. A student, who has given attendance at classes recognised as qualifying for graduation during one or more sessions in any one or more of the Scottish Universities, may complete his Curriculum by giving attendance during the remainder of his course in another Scottish University, and may proceed to a degree in the latter University in the same way, in all respects as if the previous part of his Curriculum had

been taken therein : Provided always that every such student must produce, to the satisfaction of the Senatus of the latter University, certificates of his having passed the Preliminary Examination, and of his attendance at the former University or Universities, and must be examined in all the subjects necessary for the degree of M.A. by the Examiners of the University in which he completes his Curriculum, and in which alone he will be allowed to graduate ; and that no such student will be admitted to a degree in any University unless he has given attendance in such University during the last winter session of his Curriculum, and one other winter session or two summer sessions.

XXVI. A candidate for the degree of M.A. with Honours, who has failed to be placed in any class, may, provided that in the opinion of the Examiners he has given evidence of sufficient attainments in any subject for the ordinary degree of M.A., receive from them a certificate of having passed in such subject, which will count *pro tanto* as part of the examination required under the regulations for the ordinary degree of M.A.

XXVII. The degree of M.A. is in no case conferred on persons who have not satisfied the conditions hereinbefore set forth, and is not conferred *honoris causa tantum*.

XXVIII. A student who, at the time these Regulations came into operation, had commenced his course of study with a view to graduation in Arts in any of the Scottish Universities under the regulations in force at the time in such University, may complete his course and become a candidate for the degree of M.A., with or without Honours, in conformity with such regulations. And any such student who has passed the examination hitherto required for admission to a Curriculum of three sessions, if he desire to come under these regulations, is exempted from the Preliminary Examination herein required.

XXIX. Students may attend any classes without having passed the Preliminary Examination within the meaning of these Regulations, but such attendance will not qualify for graduation.

XXX. (This section refers to the Junior or Middle Classes which have been discontinued.)

XXXI. Ordinances numbered 12, 14, 18, and 69 of the Commissioners under the Universities (Scotland) Act, 1858, as altered under the provisions of the said Act, are repealed, in so far as they are inconsistent with these Regulations.

GRADUATION OF WOMEN.

I. It is in the power of the University Court to admit women to graduation.

II. The conditions for graduation are the same for women as for

men, subject to the following modifications, which have effect until provision is made for the instruction of women in all subjects qualifying for graduation in which provision is made for the instruction of men:—

(1) Section XXV. of Regulations for Degrees in Arts is not applicable to the graduation of women in Arts.

(2) So long as within the Faculty provision is not made for the instruction of women in any subject qualifying for graduation in which provision is made for the instruction of men, it is in the power of the University Court to admit to graduation women who have received the requisite instruction in that subject in any Scottish University, or from any teacher or in any Institution, within the University town, recognised for the purposes of graduation by the University Court: Provided always that every candidate for graduation produces evidence of having satisfied the conditions with respect to the Preliminary Examination, and be examined in all the subjects necessary for graduation by the Examiners of the University.

III. So soon as within the University provision is made for the instruction of women in all subjects qualifying for graduation in which provision is made for the instruction of men, the conditions for the graduation of women shall be the same as the conditions for the graduation of men.

IV. (1) Women who may attend classes in the University must matriculate, paying a fee of the same amount as that exigible for other students. (2) Women, who are candidates for graduation but not matriculated students, and who may attend classes within a University town, under the provisions of Section II. (2) hereof, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by students of the University and having, in respect of such payment, a right to the use of the Library of the University.

ADDITIONAL REGULATIONS BY THE UNIVERSITY COURT.¹

Any Woman who has received the requisite instruction in Chemistry, Botany, and Zoology in any Scottish University, or in the Medical College for Women, Chambers Street, Edinburgh, will (subject to the provisions of Ordinance No. 18, General No. 9, Regulations for the Graduation of Women,² &c.) be admitted to Examination in these subjects for Graduation in Arts. Women may attend within the

¹ Extra Academical Teachers in Edinburgh, whose Lectures qualify Women Students for Graduation in Arts in this University:—

T. W. Drinkwater, Ph.D., Chemistry and Practical Chemistry, 17th December 1894.

Robert Stewart MacDougall, M.A., D.Sc., Botany, 17th February 1902.

² See Ordinance, Appendix to CALENDAR, 1892-93, page 51.

University the advanced Courses in Botany and Zoology, and the Laboratory and Advanced Lecture Courses in the Chemistry Department.

REGULATIONS FOR SPECIAL STUDY AND RESEARCH, FOR
APPOINTMENT OF RESEARCH FELLOWS, &C.

I. It is in the power of the Senatus Academicus, with the approval of the University Court, to make regulations under which graduates of Scottish Universities, or of other Universities recognised by the University Court for the purposes hereof, or other persons who have given satisfactory proof of general education and of fitness to engage in some special study or research, may be admitted to prosecute such study or research in the University.

II. It is the duty of the Senatus Academicus—

- (1) To receive and decide upon all applications for admission to prosecute special study or research.
- (2) To prepare a list of all persons so admitted (hereinafter referred to as Research Students).
- (3) To make regulations for the supervision of their work.
- (4) To satisfy themselves from time to time that the Research Students are carrying on their work in the University in a satisfactory manner.
- (5) To suspend or exclude from any course any student whose conduct or progress is unsatisfactory.

III. Every applicant for admission must send in to the Senatus Academicus a written application stating any degree or other distinction which he has already obtained, the line of study or research which he wishes to prosecute and the probable period of its duration, together with evidence as to his character, capacity, and general qualifications.

IV. An application for admission is in the first instance referred by the Senatus to the appropriate Faculty, or to a Committee appointed by the Senatus; one member of the Committee shall always be a Professor or Lecturer within whose department the proposed line of study or research falls. No applicant shall be recommended by the Faculty or the Committee who has not satisfied them by examination or otherwise that he is qualified to prosecute the proposed line of study or research, and further—

- (a) That his proposed line of study or research is a fit and proper one;
- (b) That he possesses a good general education;
- (c) That he is of good character;
- (d) That he proposes to prosecute his studies or research during a period to be approved by the Senatus.

The Faculty or the Committee shall make a report to the Senatus upon each application. It is also their duty, subject to the regulations of the Senatus, to provide for the supervision of the Research Student's work, and to report at least once a year to the Senatus as to his progress and conduct. The Senatus shall then determine whether he shall remain a Research Student.

V. Every Research Student is required to matriculate each year, paying the ordinary fee.

VI. Research Students have access to and the use of the University Laboratories and Museums, under such conditions as to payment and otherwise as the University Court, after consultation with the Senatus, may determine.

VII. The title of Research Fellow may be conferred by the Senatus, with the approval of the University Court, on Research Students who have shown special distinction. Such title shall not of itself confer any right to stipend, but it shall be in the power of the University Court to provide a stipend of such amount and for such period as it may think fit to any Research Fellow under the powers of Section XI., Sub-section 8, of Ordinance 27.

VIII. (1) The Research Fellows shall be appointed as aforesaid after consideration of the report or reports submitted in terms of Section IV. hereof.

(2) The title of Research Fellow may be conferred either at the commencement of the Research Student's course of study or research, or at any time during its progress, as the Senatus may determine.

(3) Research Fellows shall retain their title and stipend, if any, for the period during which they are engaged in special study or research in the University, and no longer.

(4) Research Students who have been appointed Research Fellows shall continue to be subject to the conditions above prescribed as to the supervision of their work and the reports to be made thereon.

IX. Nothing herein contained shall prejudice the right of Research Students to such Fellowships, Scholarships, or Prizes as may be open to them by Ordinance or Deed of Foundation.

X. The University Court may, subject to the provisions of Section XI., Sub-section 8, of Ordinance 27, provide such sums as it may think fit in aid of the expenses of Special Study or Research.

REGULATIONS FOR HIGHER DEGREES IN ARTS AND SCIENCE. DEGREE OF D.Sc.

I. Graduates who have taken the degree of Master of Arts in any Scottish University with first or second class honours in Mathematics and Natural Philosophy under the conditions prescribed by the Regu-

lations for Degrees in Arts, or under the Regulations previously in force in such University, may offer themselves for the degree of Doctor of Science (D.Sc.) in the same University after the expiry of five years from the date of their graduation in Arts, under the same conditions as if they held the degree of Bachelor of Science.

II. Research Students, within the meaning of the Regulations for the Encouragement of Special Study and Research and for the appointment of Research Fellows, may offer themselves for the degree of D.Sc. of the University in which they have prosecuted some special study or research under those Regulations, although they have not taken the degree of B.Sc. or the degree of M.A. with honours as aforesaid in that University; provided—

(1) That they hold the degree of B.Sc. or M.B. of a Scottish or any recognised University, or a degree of any such University, which the Senatus shall hold to be equivalent to the degree of B.Sc. or to the degree of M.A. with first or second class honours in Mathematics and Natural Philosophy; provided that candidates who hold any such degree from a University outside the United Kingdom may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of D.Sc., to pass an examination equivalent to an Honours or to a Final Science examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two winter sessions or an equivalent period as Research Students in the University granting the degree, and that they produce evidence of satisfactory progress in the special study or research undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

III. All candidates for the degree of D.Sc. shall present a thesis or a published memoir or work,¹ to be approved by the Senatus on the recommendation of the Faculty of Science; provided that, if required by the Senatus, the candidate shall also be bound to pass such an examination conducted orally or practically, or by written papers, or by all of these methods, on the subjects of his special study or of his thesis, as may from time to time be determined. The thesis shall be a record of original research undertaken by the candidate, and shall be accompanied by a declaration signed by him that the work has been done and the thesis composed by himself.

DEGREE OF D.PHIL.

IV. Graduates who have taken the degree of M.A. in any Scottish University with first or second class honours in Mental Philosophy, under the conditions prescribed by Ordinance No. 11 [General No. 6—

¹ The Thesis must be lodged and the fees paid before 1st December.

Regulations for Degrees in Arts], or under the Regulations previously in force in such University, may offer themselves for the degree of Doctor of Philosophy (D.Phil.) in the same University after the expiry of five years from the date of such graduation.

V. Research Students as aforesaid may offer themselves for the degree of D.Phil. of the University in which they have prosecuted some special study under Ordinance No. 61 [General, No. 23—Regulations for the Encouragement of Special Study and Research and for the appointment of Research Fellows], although they have not taken the degree of M.A. with honours as aforesaid in that University; provided—

(1) That they hold the degree of M.A. with first or second class honours in Mental Philosophy of any Scottish University, or a degree of any recognised University, which the Senatus shall hold to be equivalent to such degree with honours as aforesaid; provided that candidates who hold such a degree from a University outside the United Kingdom may be required, if the Senatus think fit, before beginning their course as Research Students, with a view to the degree of D.Phil., to pass an examination equivalent to an honours examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two winter sessions or an equivalent period as Research Students in the University granting the degree, and produce evidence of satisfactory progress in the special study undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

VI. All candidates for the degree of D.Phil. shall present a thesis or a published memoir or work,¹ which shall be an original contribution to learning, to be approved by the Senatus on the recommendation of a Committee appointed by the Senatus; provided that, if required by the Senatus, a candidate shall also be bound to pass such examination, conducted orally or otherwise, on the subject of his thesis or of his special study as may from time to time be determined. The thesis, or memoir, or work shall be accompanied by a declaration signed by the candidate that it has been composed by himself. If the thesis has not already been published, it shall be published by the candidate in such manner as the Senatus shall approve.

¹ The Thesis must be lodged and the fees paid before 1st December.

DEGREE OF D.LITT.

VII. Graduates who have taken the degree of M.A. in any Scottish University with first or second class honours in any group other than Mathematics and Natural Philosophy or Mental Philosophy, under the conditions prescribed by Ordinance No. 11 [General No. 6—Regulations for Degrees in Arts], or under the Regulations previously in force in such University, may offer themselves for the degree of Doctor of Letters (D.Litt.) in the same University after the expiry of five years from the date of such graduation.

VIII. Research Students as aforesaid may offer themselves for the degree of D.Litt. of the University in which they have prosecuted some special study under Ordinance No. 61 [General No. 23—Regulations for the Encouragement of Special Study and Research and for the appointment of Research Fellows], although they have not taken the degree of M.A. with honours as aforesaid in that University; provided—

(1) That they hold the degree of M.A. with first or second class honours in any group except Mathematics and Natural Philosophy or Mental Philosophy of any Scottish University, or a degree of any recognised University, which the Senatus shall hold to be equivalent to such degree with honours as aforesaid; provided that candidates who hold such a degree from a University outside the United Kingdom may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of D.Litt., to pass an examination equivalent to an honours examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two winter sessions or an equivalent period as Research Students in the University granting the degree, and produce evidence of satisfactory progress in the special study undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

IX. All candidates for the degree of D.Litt. shall present a thesis or a published memoir or work,¹ which shall be an original contribution to learning, to be approved by the Senatus on the recommendation of a Committee appointed by the Senatus; provided that, if required by the Senatus, a candidate shall also be bound to pass such examination, conducted orally or otherwise, on the subject of his thesis or of his special study as may from time to time be determined. The thesis, or memoir, or work shall be accompanied by a declaration signed by

¹ The Thesis must be lodged and the fees paid before 1st December.

the candidate that it has been composed by himself. If the thesis has not already been published, it shall be published by the candidate in such manner as the Senatus shall approve.

GENERAL.

X. Notwithstanding and in supplement of the Regulations as to Examinations, sections XIV. and XV., the Senatus Academicus in each University shall appoint such Professors or Lecturers as it may think suitable to conduct the examination of candidates who may offer themselves under the Regulations for Degrees in Science, or of these Regulations for the Degree of Doctor of Science, Doctor of Philosophy, or Doctor of Letters; and the University Court shall, after consultation with the Senatus Academicus, appoint an additional Examiner to act along with them. Such additional Examiner shall be a person of recognised eminence in the subject of the thesis, or memoir, or work which is to be submitted for approval. The result of the examination shall be reported to the appropriate Faculty or Committee of Senatus.

XI. The degrees of D.Sc. in Mental Science or D.Sc. in Philology shall no longer be conferred by any Scottish University.

XII. Candidates who have already completed the necessary attendance on classes required for the degree of D.Sc. in Mental Science or D.Sc. in Philology, under regulations hitherto in force in any Scottish University, may proceed to the degree of D.Phil., or of D.Litt., as the case may be, under this Ordinance:—provided such candidates comply with the provisions of Section VI. or Section IX. hereof, as the case may be, and that a period of not less than five years shall have elapsed from the date of their graduation as M.A.

XIII. The degrees of D.Sc., D.Phil., and D.Litt. shall in no case be conferred on persons who have not satisfied the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

The fee to be paid for Examination for each of the degrees of D.Sc., D.Phil., and D.Litt. is ten guineas, payable when the thesis is lodged,¹ and the fee for each re-examination for each of the degrees is £5, 5s.¹

Candidates for Examination or Graduation must pay the Matriculation fee of £1, 1s.¹ Candidates for Graduation are required to enter their names and (if not previously registered) to pay the Registration fee ten days before the date of the Graduation Ceremonial.

¹ The Thesis must be lodged and the fees paid before 1st December.

TIME-TABLES OF EXAMINATIONS AND DATES FOR PRESENTING
CERTIFICATES AND FOR PAYMENT OF FEES.

Candidates are required to enter for each periodical Examination at which they desire to appear, and to state the subject or subjects in which they desire to be examined.

PRELIMINARY EXAMINATION.

The Preliminary Examinations are held in the Examination Hall, University (Old) Buildings, South Bridge, Edinburgh, in autumn and spring.

Each Candidate must pay a fee of 10s. 6d. for each appearance at the Preliminary Examination.

Candidates may obtain Schedules at the Matriculation Office, University (Old) Buildings, on and after 7th September 1906, and on and after 15th February 1907. In applying for Schedules, Candidates are required to state whether they are for Arts, Science, or Medicine. The Schedules must be completed and lodged, along with the fees, not later than 21st September 1906 and 1st March 1907 for the autumn and spring Examinations respectively.

Candidates may pay the fees personally or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed Union Bank of Scotland (Hunter Square Branch), Edinburgh, but not by cheques on private accounts. When names are not entered and fees paid, or a Pass to the Examination obtained where the fee has been previously paid, on or before the stated dates, an additional or late-entry fee of 10s. must be paid before the Candidate can be admitted to the Examination. This fee will not be received after Twelve o'clock of the last day but one preceding the Examination for which the Candidate desires to appear, without the express permission of the Dean of his Faculty and the subsequent sanction of the Senatus. A Candidate must enter his name and pay the fee, or, when the fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear. A Candidate is not held to be entered until his Schedule is lodged, the Fee paid, and a Pass to the Examination obtained. If, after payment of the fee, the Candidate withdraws his name, or fails to present himself at the examination, he will not receive back the fee, but will be allowed to enter on one subsequent occasion for examination without payment of any additional fee.

TIME-TABLES FOR PRELIMINARY EXAMINATIONS FOR ARTS, SCIENCE, MEDICINE, AND MUSIC, AND FOR BURSARY EXAMINATIONS, 1906-1907.

		Medical Preliminary Examinations	Arts, Science, Law (B.L.), and Music Preliminary Examinations and Bursary Examinations.
1906. Sept. 27	Thur.		Additional English for First Year Bursaries, ¹ 9-12 Do. French do., ¹ 1-2.30 Do. German do., ¹ 3-4.30
„ 28	Fri.	English, 9-12 Latin, 3-6	English, 1st paper, ¹³ 9-11 Higher Latin, 1st paper, ¹ 12-2 Latin for Second and Third Year Bursaries, 12-3 Lower Latin, ³ 3-6
„ 29	Sat.	Greek, 3-6 Do., ² 3-5	English, 2nd paper, ¹³ 9-11 Intermediate and Higher Mathematics, and Mathematics for First, Second, and Third Year Bursaries, 1st paper, ¹ 12-2 Lower Greek, ³ 3-6 Anglo - Saxon, for Patterson Bursary, 9-12, 3-6 ⁴
Oct. 1	Mon.	Mathematics, 3-6	Higher Latin, 2nd paper, ¹ 9-11 Intermediate and Higher Mathematics, and Mathematics for First, Second, and Third Year Bursaries, 2nd paper, ¹ 12-2 Lower Mathematics, ³ 3-6
„ 2	Tu.	French, 12-3 Do., ² 12-2 Mechanics, ² 3-6	Higher Greek, 1st paper, ¹ 9-11 French, 1st paper, ¹³ 12-1.30 Greek for Second and Third Year Bursaries, 3-6 Dynamics, ¹ 3-6

¹ Papers for the First Year Bursary Examination.² For Students under the Old Regulations.³ Papers for Music Preliminary ; for Italian half an hour more will be allowed.⁴ Not open in 1906.

		Medical Preliminary Examinations.	Arts, Science, Law (B.L.), and Music Preliminary Examinations and Bursary Examinations.
1906.			
Oct.	3 Wed.	German, 3-6 Do., ² 3-5	Higher Greek, 2nd paper, ¹ 9-11 French, 2nd paper, ^{1,3} 12-2 German, 1st paper, ^{1,3} 3-4.30 Logic and Psychology for Third Year Bursaries, 3-6 German, 2nd paper, ^{1,3} 9-11 Italian, ^{1,3} 12-1.30, 3-5 Elementary Physics, ³ 9-11 Logic, ³ 2-4 Additional Classics for First Year Bursaries, ¹ Latin, 9-10.30; Greek, 10.30-12. Classics for Second and Third Year Bursaries, Latin, 9-10.30; Greek, 10.30-12. Additional Mathematics for First, Second and Third Year Bursaries, ¹ 2-5 Higher Geometry for John Welsh Bursaries and for Kelland Prize, 9-12 Sanskrit, Hebrew, Arabic, Syriac, Celtic. (See § IV. (3) of Regulations).—9-12 Gaelic for Mackinnon and Ardvorlich Bursaries, Chemistry for Baxter of Balgavies Bursary, 12-2
	4 Thur.	Moral Philosophy, ² 9-11	
	5 Fri.	Natural Philosophy, ² 9-11 Logic, ² 2-4	
	6 Sat.		
	12 Fri.		MEETING OF JOINT BOARD } At 10 A.M.
	13 Sat.		MEETING OF JOINT BOARD } each day.
	16 Tu.		CLASSES OPEN.
1907.			
Mar.	29 Fri.	English, 9-12 Latin, 3-6	English, 1st paper, ³ 9-11 Higher Latin, 1st paper, 12-2 Lower Latin, ³ 3-6 English, 2nd paper, ³ 9-11 Intermediate and Higher Mathematics, 1st paper, 12-2
	30 Sat.	Greek, 3-6	

¹ Papers for the First Year Bursary Examination.

² For Students under the Old Regulations.

³ Papers for Music Preliminary: for Italian half an hour more will be allowed.

		Medical Preliminary Examinations.	Arts, Science, Law (B.L.), and Music Preliminary Examinations and Bursary Examinations.
1907.			
Mar. 30	Sat.	Greek, ¹ 3-5	Lower Greek, ² 3-6
April 1	Mon.	Mathematics, 3-6	Higher Latin, 2nd paper, 9-11 Intermediate and Higher Mathematics, 2nd paper, 12-2 Lower Mathematics, ² 3-6 Higher Greek, 1st paper, 9-11 French, 1st paper, ² 12-2. Dynamics, 3-6
„ 2	Tu.	French, 12-3 Do., ¹ 12-2 Mechanics, ¹ 3-6	Higher Greek, 2nd paper, 9-11 French, 2nd paper, ² 12-2 German, 1st paper, ² 3-5. German, 2nd paper, ² 9-11 Italian, ² 12-2, 3-5
„ 3	Wed.	German, 3-6 Do., ¹ 3-5	Elementary Physics, ² 9-11 Logic, ² 2-4 Sanskrit, Hebrew, Arabic, Syriac, Celtic. (See § IV. (3) of Regulations).—9-12
„ 4	Thur.	Moral Philosophy, ¹ 9-11	
„ 5	Fri.	Natural Philosophy, ¹ 9-11 Logic, ¹ 2-4	
April 12	Fri.	MEETING OF JOINT BOARD } MEETING OF JOINT BOARD }	At 10 A.M. each day.
„ 13	Sat.		

FEES FOR DEGREE OF M.A.

Candidates for the Ordinary Degree pay for each of the subjects of Astronomy, Chemistry, Zoology, Botany, or Geology £1, 1s., and for each of the other subjects 15s.

Those who fail in the Examinations pay 10s. 6d. for re-examination in each subject.

Candidates for the Degree, with Honours, pay the same total fees as for the Ordinary Degree.

DEGREE EXAMINATIONS.³

Candidates are required to enter for each periodical Examination at which they desire to appear, and to state the subject or subjects in which they desire to be examined.

Candidates may obtain Schedules at the Matriculation Office, which are required to be completed and lodged, Certificates shown, and Fees paid as follows:—

¹ For Students under the Old Regulations.

² Papers for Music Preliminary.

³ When names are not entered and fees paid, or a Pass to the Examination obtained where the fee has been previously paid, on or before the stated dates, an additional or late-entry fee of ten shillings must be paid before the Candidate can be admitted to examination. This fee will not be received after twelve o'clock of

1. For the Examinations in October 1906, *not later than 28th September*.¹

2. For the Examinations in Spring 1907, Schedules must be lodged¹ and Fees paid *not later than 4th March*, and the Class Certificate in each subject must be shown, *at latest*, on the day preceding the Examination.

3. For the Examinations in Chemistry and Geology in Summer 1907, Schedules must be lodged and Fees paid *not later than 11th July*, and Certificates shown on *Wednesday, 17th July*, before three o'clock.

If, after payment of the fee, a Candidate withdraws or fails to be present at the examination, the fee will not be repaid, but the Candidate will be allowed to enter on one subsequent occasion for examination in the same subject, without payment of any additional fee. A new form must in this case be filled up by the stated date.

When the Candidate has exhibited the Attendance Certificates, the Clerk will stamp on the Receipt for the Fee the words, "Certificates examined," which entitle the Candidate to admission to the Examination Hall.

Candidates for Examination or for Graduation must be Matriculated Students of the Academic year.

Every Candidate for Graduation must produce certificates of having passed the necessary Examinations and pay the Fee of £1 for Registration as a Member of the General Council *at least one clear day before the date of Graduation*.²

The fees for Matriculation, Examinations for Degrees, and Registration of Graduates as Members of the General Council, are payable at the Matriculation Office, University. Candidates may pay the fees personally, or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed "*Union Bank of Scotland (Hunter Square Branch), Edinburgh*," but not by cheques on private accounts.

Degrees are conferred by the Chancellor or the Vice-Chancellor of the University. They are not conferred *in absentia*, except on very special cause shown. Candidates must appear in Academic costume, with the appropriate hood.³

the last day but one preceding the Examination for which the Candidate desires to appear, without the express permission of the Dean of his Faculty and the subsequent sanction of the Senatus. A Candidate must enter his Name and pay the Fee, or, when the Fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear.

¹ Candidates for Special Examination in Greek for Honours in Mental Philosophy must enter their names, and state which dialogue of Plato they offer, one month before the date of the examination.

² See first part of footnote 3, page 138.

³ Black silk lined with *white*.

TIME-TABLES FOR M.A. EXAMINATIONS FOR 1906-1907.

		M.A. Pass Examinations.	M.A. Honours Examinations. ¹
1906.			
Oct. 4	Th.	Philosophy of Law, 9-11 Public International Law, 11.30-1.30 Political Economy, 3-5	
" 5	Fri.	Roman Law, 9-11, 11.30-1.30 Political Economy, 3-5	
" 6	Sat.	Constitutional Law & History, 9-11	
" 8	Mon.	Do. Do., 2-4	
" 9	Tu.	English, 9-11, 11.30-1.30 Latin, 2.30-4.30	
" 10	Wed.	Latin, 9-11 Logic, 11.30-1.30, 2.30-4.30	
" 11	Th.	Mathematics, 9-11, 11.30-1.30 Natural Philosophy, 2.30-4.30	
" 12	Fri.	Natural Philosophy, 9-11 Greek, ² 11.30-1.30, 2.30-4.30	
" 13	Sat.	Moral Philosophy, 9-11, 11.30-1.30 History, 2-4	
" 15	Mon.	History, 9-11 French, 11.30-1.30, 2-4	
" 16	Tu.	German, 9-11, 11.30-1.30 German Essay, 2-3 French Essay, 3-4 CLASSES OPEN	
" 17	Wed.	Education (M.A. & Diploma), 9-11, 11.30-1.30	
" 18	Th.	Education (Diploma only), 9-11.30 Zoology, 12-2; Botany, 2.30-4.30	

NOTE.—In the Examinations for the Degree of M.A. in Roman Law, Public Law, and Constitutional Law and History, candidates who intend to proceed later to the Degree of LL.B. must pass on the LL.B. standard.

¹ The order of the papers set at the particular hours fixed for the general Honours Subjects, within any department or group, may be varied at the discretion of the Examiners.

² Also Special Examination in Greek for Candidates for Honours in Mental Philosophy who have not included Greek as a Subject in the Examinations for the ordinary Degree of M.A.

It is impossible to avoid clashing between the hours of Examinations in the Pass, Honours and Scholarship subjects, and Candidates should carefully consider early in their Curriculum the arrangements for these Examinations, in order, so far as possible, to avoid clashing. See also footnote 2, page 122.

		M.A. Pass Examinations. ¹	M.A. Honours Examinations. ¹
1907.			
Mar. 11	Mon.	Constitut. Law and History, 2-4	
" 12	Tu.	Roman Law, 9-11, 11.30-1.30	
" 14	Th.	Constitut. Law and History, 2-4	
" 15	Fri.	Philosophy of Law, 9-11	
" 21	Th.	Public Intern. Law, 11.30-1.30	
" 25	Mon.	Political Economy, 5-7	
" 26	Tu.	Political Economy, 5-7	
" 27	Wed.	Sanskrit, 9-11, 11.30-1.30	
" 28	Th.	Arabic & Syriac, 9-11, 11.30-1.30	
" 29	Fri.	Chemistry, 10-12	
" 30	Sat.	Dates of the Practical Chemistry Examination and Oral Examinations will be posted at the University as soon as arranged.	
Apr. 1	Mon.	Geology, 1-3	
		Practical Chemistry Examination and Oral Examinations in Science Subjects may begin	
		Botany, 10-12	
		Zoology, 1-3	
		Celtic, 9-11, 11.30-1.30	
		Hebrew, 2.30-4.30	
		Hebrew, 9-11	
		History, 11-1, 2-4	
		English, 9-11	Economic Science, 9-12, 2-5
		Latin, 12-2	
		Education (M.A. & Diploma), 2.30-4.30, 5-7	
		English, 9-11	Economic Science, 9-12
		Mathematics, 12-2	History and Economic Science (Political Science), 2-5
		Logic, 2.30-4.30	
		Education for Schoolmaster's Diploma only (3rd paper), 5-7	
		Latin, 9-11	English (Lit.), 9-12, 2-5
		Mathematics, 12-2	History (Constit.), 9-12, 2-5
		Logic, 2.30-4.30	Logic, 9-12, 2-5
			Classics (Optional Subjects: Classical Archæology, first paper, 9-12; Ancient History, first paper), 2-5

¹ See footnote 1, page 140.

		M.A. Pass Examinations. ¹	M.A. Honours Examinations. ¹
1907. Apr. 2	Tu.	Greek, 9-11, French, 11.30-1.30 Astronomy, 2-4, 4.30-6.30	{ English (Lit.), 9-12, 2-5 Logic, 9-12 Moral Philosophy, 2-5 History (Constit.), 9-12, 2-5 Classics, 9-12, 2-5 (9-12 Optional Subjects) Pure Mathematics, 9-12
,, 3	Wed.	Greek, 9-11 French, 12-2 German, 3-5	{ English (Lang.), 9-12, 2-5 Moral Philosophy, 9-12, 2-5 Classics, 9-12, 2-5 Modern Languages, 9-12, 2-5 Pure Mathematics, 9-12, 2-5 History (Europ.), 9-12, 2-5
,, 4	Th.	German, 9-11 Moral Philosophy, 11.30- 1.30, 3-5	{ English (Hist.), 9-12, 2-5 Classics, 9-12, 2-5 Modern Langs., 9-12, 2-5 Philosophy (Special Sub- jects), 9-12 Pure Mathematics, 9-12 History (British), 9-12, 2-5
,, 5	Fri.	Natural Philosophy, 9-11, 11.30-1.30 French Essay, 2-3 German Essay, 3-4	{ Classics, 9-12, 2-5 Mod. Languages, 9-12, 2-5 Natl. Philosophy, ² 9-12, 2-5 History of Art, 9-12, 2-5
,, 6	Sat.	Archæology and Art, 9-11, 11.30-1.30	{ Classics, 9-12, 2-5 Mod. Languages, 9-10.30, 11.30-1
,, 12	Fri.	{ GRADUATION COMMEMORA	CEREMONIAL at 10 A.M. TION SERVICE at 12 noon.
July 18	Th.	Chemistry, 10-12 Dates of the Practical Chemistry Examination and Oral Examin- ations will be posted at the University as soon as arranged.	
,, 26	Fri.	Geology, 1-3 GRADUATION	CEREMONIAL.

¹ See footnote 1, page 140.² The dates of Examinations in elective branches will be arranged to suit the convenience of Candidates.

PASS EXAMINATIONS FOR MASTER OF ARTS.

(See Time-Tables, Pages 140-142.)

The subjects for the Examinations for the Ordinary Degree October 1906 and April 1907 are as follows :—

I.—DEPARTMENT OF LANGUAGE AND LITERATURE.

1. *Latin for October 1906 and April 1907.*

Virgil, *Aen.* iii. and vi.—Horace, *Odes*, iii.—Lucan, *Pharsalia*, i. & Cicero, *Pro Marcello*, *Pro Ligario*, *Pro Deiotario*—Tacitus, *Annals*, i., and *Agricola*.

Translation from an Author or Authors not prescribed. Latin prose composition.

Roman History.—A general knowledge of Roman History to the

To face page 143.

In the ordinary Degree Examination in Latin in April 1907, (1) Ovid *Metamorphoses*, xiii., may be taken as an alternative to Virgil, *Aeneid*, vi.; and (2) Tacitus, *Dialogus*, as alternative to Tacitus, *Annals*, i.

The Principles of English Composition and Style: Class Lectures. History of the English Language: The First Five Chapters of Morris's "Historical Outlines of English Accidence." History of English Literature: Lectures, with the Professor's "Short History of English Literature," and the portions of Hallam's "Literature of Europe" that relate to English writers.

Special Books for October 1906.—Shakespeare, *Macbeth* and *Merchant of Venice*—Chaucer, *Squieres Tale*—Spenser, *Shepherd's Calendar*—Milton, *Comus*—Bacon, *Essays*—Dryden, *Satires*—Collins, *Poems*—Coleridge, *Selected Poems*—Browning, *Dramatic Lyrics*.

Special Books for April and October 1907.—Shakespeare, *Hamlet* and *A Midsummer Night's Dream*—Chaucer, *Prologue*—Spenser,

		M.A. Pass Examinations. ¹	M.A. Honours Examinations. ¹
1907. Apr. 2	Tu.	Greek, 9-11, French, 11.30-1.30 Astronomy, 2-4, 4.30-6.30	{ English (Lit.), 9-12, 2-5 Logic, 9-12 Moral Philosophy, 2-5 History (Constit.), 9-12, 2-5 Classics, 9-12, 2-5 (9-12 Optional Subjects) Pure Mathematics, 9-12
,, 3	Wed.	Greek, 9-11 French, 12-2 German, 2-5	{ English (Lang.), 9-12, 2-5 Moral Philosophy, 9-12, 2-5 Classics, 9-12, 2-5

COMMEMORATION SERVICE at 12 noon.

July 18	Th.	Chemistry, 10-12 Dates of the Practical Chemistry Examination and Oral Examin- ations will be posted at the University as soon as arranged. Geology, 1-3	
,, 26	Fri.		GRADUATION CEREMONIAL.

¹ See footnote 1, page 140.² The dates of Examinations in elective branches will be arranged to suit the convenience of Candidates.

PASS EXAMINATIONS FOR MASTER OF ARTS.

(See Time-Tables, Pages 140-142.)

The subjects for the Examinations for the Ordinary Degree October 1906 and April 1907 are as follows :—

I.—DEPARTMENT OF LANGUAGE AND LITERATURE.

1. *Latin for October 1906 and April 1907.*

Virgil, *Aen.* iii. and vi.—Horace, *Odes*, iii.—Lucan, *Pharsalia*, i.—Cicero, *Pro Marcello*, *Pro Ligario*, *Pro Deiotario*—Tacitus, *Annals*, i., and *Agricola*.

Translation from an Author or Authors not prescribed. Latin prose composition.

Roman History.—A general knowledge of Roman History to the death of Trajan, and a more special study of the times or events to which prescribed books relate.

Roman Literature.—A general knowledge of the course of Roman Literature to the death of Trajan, and a special knowledge of the Lives and Works of Virgil, Horace, Lucan, Cicero, and Tacitus.

Every Candidate is required to satisfy the Examiners in translating English into Latin prose.

2. *Greek for October 1906 and April 1907.*

Homer, *Iliad*, xviii.—Thucyd. iii.—Plato, *Enthydemus*—Sophocles, *Ajax*.

Greek History.—A general knowledge of Greek History to the death of Alexander, and a more special knowledge of the Peloponnesian War.

Greek Literature.—A general knowledge of Greek Literature to the end of the 4th cent. B.C., and a more special knowledge of the prescribed Authors.

Laws of Hexameter and Iambic verse.

Translation from an Author not prescribed. Greek prose composition.

3. *English for October 1906 and for April and October 1907.*

The Principles of English Composition and Style: Class Lectures. History of the English Language: The First Five Chapters of Morris's "Historical Outlines of English Accidence." History of English Literature: Lectures, with the Professor's "Short History of English Literature," and the portions of Hallam's "Literature of Europe" that relate to English writers.

Special Books for October 1906.—Shakespeare, *Macbeth* and *Merchant of Venice*—Chaucer, *Squieres Tale*—Spenser, *Shepherd's Calendar*—Milton, *Comus*—Bacon, *Essays*—Dryden, *Satires*—Collins, *Poems*—Coleridge, *Selected Poems*—Browning, *Dramatic Lyrics*.

Special Books for April and October 1907.—Shakespeare, *Hamlet* and *A Midsummer Night's Dream*—Chaucer, *Prologue*—Spenser,

Faerie Queene, book i.—Milton, *Lycidas* and *Areopagitica*—Dryden, *Essay of Dramatic Poesy*—Pope, *Essay on Criticism*—Cowper, *Poems*—Shelley, *Adonais*—M. Arnold, *Poems*.

4. *French for October 1906.*

V. Hugo, *Châtiments*—Clédat, *Moyen-Age*—H. Mazel, *Synergie Sociale*—Molière, *Misanthrope*, *Femmes Savantes*—Duruy, *Histoire populaire de la France*—Augier, *Comédies*—Lecturer's *Essais*—Vogüé, *Roman Russe*.

Oral Examination—Subject :—Legouvé's *L'Art de la Lecture*.

Passages from French Authors not prescribed. French prose composition. A general knowledge of the development of the French language. A general knowledge of the growth of French civilisation, with a more minute knowledge of the authors prescribed.

Every Candidate is required to satisfy the Examiners in translating English into French prose.

5. *French for April and October 1907.*

The Lecturer's Essays (First Series)—Sandeau, *Gendre de M. Poirier*—Molière, *L'Avare*, *Le Bourgeois Gentilhomme*—Clédat, *Morceaux choisis du Moyen-Age*—V. Hugo, *Morceaux choisis (Poésie)*—V. Hugo, *Hernani*—Saint-Simon, *Mémoires et Portraits*—La Bruyère, *Caractères*—Pascal, *Pensées*—Mazel, *Synergie sociale*—Maeterlinck, *Vie des Abeilles*.

The Regulations are otherwise the same as for October 1906.

6. *German for October 1906.*

* *Wernher der Gärtenere*, Meier Helmbrecht—Sachs, *Brant*, etc. (Göschel)—*Volkslied* (Göschel)—*Simplicissimus*, ed. Klee (Velhagen)—* *Goethe*, Egmont—* *Schiller*, Balladen—* *Uhland*, Gedichte—*Günther*, Deutsche Kulturgeschichte (Göschel)—*Viëtor*, Die Aussprache des Schriftdeutschen—Wiesbadener Volksbücher: No. 1, *W. H. Riehl*, Der Stadtpfeifer—No. 12, *M. v. Ebner Eschenbach*, Krambambuli u. Der gute Mond—No. 18, * *W. Raabe*, Die schwarze Galeere—No. 33, *D. v. Liliencron*, Umzingelt, Der Richtungspunkt—No. 37, *W. Fischer*, Das Licht im Elendhause—No. 50, *A. Schmitt-henner*, Der Ad'm, Friede auf Erden—No. 52, *Ad. Pichler*, Der Einsiedler—*Paszkowski*, Deutsches Lesebuch für Ausländer.

Texts marked * are read or interpreted in class.

Passages from German Authors not prescribed. German prose composition and essay. A general knowledge of the development of the language. A general knowledge of German History, and of the History of German Literature, with a more minute knowledge of the Authors prescribed and of the period 1740-1830.

Oral examination on *Wallenstein*, *Weise*, *Henschke*, *Viëtor*.

Every Candidate is required to satisfy the Examiners in translating from and into German.

German for April and October 1907.

Luther*, *Murner*, etc. (Göschen)—Sachs*, *Brant*, etc. (Göschen)—**Volkslied* (Göschen)—**Lessing*, *Minna von Barnhelm*—**Goethe*, *Iphigenie*—**Schiller*, *Wallensteins Tod*—**Auswahl deutscher Gedichte*, ed. Knauth (Hendel)—*Wiesbadener Volksbücher*, No. 2, 16, 35, 38, 44, 52—**Paszkowski*, *Deutsches Lesebuch*—*Viëtor*, *Aussprache der Schriftdeutschen*—*Weise*, *Unsere Muttersprache*—*Günther*, *Deutsche Kulturgeschichte* (Göschen).

Texts marked * are read or interpreted in class.

Translation, Composition, Essay, History, Literature, Philology, as for 1906.

Oral Examination in pronunciation, reading aloud, and conversation on Knauth, Paszkowski, and Viëtor.

7. Sanskrit and Comparative Philology.

Hitopadeśa (Johnson's ed., 1847), book ii. — *Nalopākhyānam* (Bühler's ed.), cantos 1-12—*Sanskrit Grammar*—*Sanskrit prose composition*.

A general knowledge of the history of Sanskrit Literature.

8. Semitic Languages.

Hebrew.—1. Questions in Grammar. 2. Translation into Hebrew Prose. 3. 2 Samuel, Zechariah, Psalms, book v. ; short passage from a historical book to translate at sight. 4. *Hebrew History and Literature* during the period of the Monarchy.

Syriac.—1. Questions in Grammar. 2. Translation into Syriac Prose. 3. *Book of Acts* in the Peshitta Version ; *Syriac Chronicle of Barhebraeus* (extracts ix. and x. of Rödiger's *Chrestomathia Syriaca*) ; *Poems of Ephrem Syrus* (*ibid.*, extract xviii.) ; *Chronicle of Joshua the Stylite* (ed. Wright), chaps. vii.-xxxii. ; short passage of easy prose to translate at sight. 4. History of the Syriac Versions of the Scriptures in detail (Wright's *Short History of Syriac Literature*, pp. 1-107).

Arabic.—1. Questions in Grammar. 2. Translation into Arabic Prose. 3. Bruennow's *Chrestomathy of Arabic Prose Pieces*, pp. 1-22, 44-55 ; *The Kor'an*, Sūra iii. ; *Kalilah wa-Dimnah* (Beyrout Edition, 1888), pp. 105-123 ; short passage of easy prose to translate at sight. 4. *Arabian History*.—Sir W. Muir's, *The Caliphate: its Rise, Decline, and Fall*, chapters 1-45 and 64-67.

9. Celtic.

Modern Gaelic (Scottish and Irish)—*Ossian*, *Fingal*, books i.-iii. (inclusive) ; Alexander Macdonald's *Poems* ; Keating's *Three Shafts of Death*, or O'Rahilly's *Poems*.

Old Gaelic.—Fled Bricrend (the prose portion).

Passages in Old and Modern Gaelic (both Scottish and Irish) from Authors not prescribed.

146 *Graduation in Arts—Pass Examinations, 1906-1907.*

Translation from English into Gaelic Prose, old and modern (Scottish or Irish).

History and Literature. — The History of Gaelic Literature from the commencement till 1000 A.D.

II.—DEPARTMENT OF MENTAL PHILOSOPHY.

1. *Logic and Psychology.*

The elementary doctrines of Logic and Psychology; and the History of Philosophy so far as treated in the Class Lectures.—Plato's *Theætetus*; Professor Fraser's "*Selections from Berkeley*" (fifth edition) to end of page 116; Hume's *Enquiry concerning Human Understanding*.—Sections 1-7 inclusive.

2. *Moral Philosophy.*

The Professor's "Ethical Principles"; Aristotle's "Ethics," books i.-iii., x.; Kant's "Fundamental Principles of the Metaphysic of Morals"; Mill's "Utilitarianism."

3. *Commercial and Political Economy.*

The subjects of examination are: The Professor's Lectures and *Elements of Political Economy*; and the portions indicated in the lectures of Mill's *Principles of Political Economy*, books i.-iii.; Marshall's *Economics of Industry* (new edition); Adam Smith's *Wealth of Nations*, book iv.; Professor Nicholson's *Money and Monetary Problems* (6th edition).—*The Treatise on Money.*

4. *Theory, Art, and History of Education.*

Theory and Art.—Subjects of examination: Lectures of the Professor; Comenius' *Great Didactic* (Laurie's Edition); Locke's *Thoughts on Education*; Rousseau's *Emile*, books i.-iii. (Payne's Trans.); Laurie's *Language and Linguistic Method in the School*.

For the Theory of Education, students may, in addition to the Lectures of the Professor, consult Laurie's *Institutes of Education* and Rosenkranz's *Philosophy of Education*.

History.—A general knowledge of the History of Education from the Renaissance to the present day, with a more particular knowledge of the writings of Rousseau, Fröbel and Pestalozzi.

5. *Philosophy of Law.*

Vide under Faculty of Law.

III.—DEPARTMENT OF SCIENCE.

1. *Mathematics.*

Arithmetic.—Euclid, books i., ii., iii., iv., vi., and xi., or their equivalent, with their application to Mensuration.—Algebra, Trigonometry, Conic Sections, Geometrical and Analytical.

Candidates must show sufficient knowledge in each of these subjects.

2. *Natural Philosophy.*

Elementary Dynamics and Experimental Physics.

Candidates must show sufficient knowledge both of Dynamics and of Experimental Physics.

3. *Practical Astronomy.*

The Class Lectures.—Use of the Sextant, Transit-Circle, Wire and Ring Micrometers.—Young's General Astronomy; Main's Practical and Spherical Astronomy, or corresponding portions of Brünnow's or Chauvenet's Astronomy. Sir John Herschel's Outlines of Astronomy, omitting part iv.

4. *Chemistry.*

Chemical changes as distinguished from physical changes. Elements; compounds; mixtures. Laws of chemical combination by weight and by volume. The atomic theory. Atoms; molecules. Avogadro's Hypothesis. Molecular weights of gaseous and volatile substances. Atomic weights. Law of Dulong and Petit. Chemical Notation—Symbols; formulæ; equations. Simple chemical calculations.

The non-metallic elements and their chief compounds; especially the compounds of oxygen, of hydrogen, and of chlorine, with the other non-metals. The more important inorganic acids. The atmosphere. Combustion. Oxidation and reduction.

The following metallic elements and their chief compounds; especially those with oxygen, with chlorine, and with sulphur: Gold, platinum, silver, mercury, lead, antimony, tin, copper, bismuth, zinc, cadmium, iron, aluminium, chromium, manganese, barium, strontium, calcium, magnesium, potassium, sodium.

The following salts: the ammonium salts; the more important sulphates, sulphites, thiosulphates, nitrates, nitrites, carbonates, bromides, iodides, iodates, phosphates, borates, silicates.

The relations of bases, acids, and salts. Electrolysis. Quantivalence. The periodic law.

The metallurgy of silver, mercury, copper, lead, tin, zinc, iron (including cast iron and steel). Alloys, such as brass, bronze, solder, type-metal. Amalgams.

The manufacture of aluminium, magnesium, potassium, sodium, glass, porcelain, mortar, gunpowder, sulphuric acid, sodium carbonate and bicarbonate, caustic soda, bleaching powder and chlorates, wrought-iron, steel, white lead.

Classification of Carbon Compounds. Marsh Gas and its Homologues. Chloroform. Methyl and Ethyl Alcohols and Ethers. Substituted ammonias and ammonium salts. Formic and Acetic Acids, Aldehyde, Acetone, Chloral, Olefiant Gas, Acetylene, Oxalic Acid, Lactic Acid, Tartaric Acid, Citric Acid. Fats and Oils, Saponification, Glycerol, Cellulose, Sugars, Starch. Distillation of Wood and of Coal. Benzene, Benzoic Acid, Phenol, Salicylic Acid, Oil of Bitter Almonds. Hydrocyanic Acid, Cyanides, Cyanates, Thiocyanates, Urea, Uric Acid.

5. *Practical Examination.*

Candidates may be required : To perform simple experiments and carry out easy inorganic preparations involving the commoner chemical operations, such as dissolution, filtration, crystallisation, etc. ; to perform simple quantitative experiments involving the weighing of solids and the measuring of liquids and gases ; to determine melting points and boiling points ; to recognise unknown substances (not mixtures) as under—

Soluble Salts of the following metallic and salt radicals:—Silver, Mercurous, Mercuric, Lead, Cupric, Cadmium, Zinc, Manganous, Ferrous, Ferric, Aluminium, Barium, Calcium, Magnesium, Ammonium, Potassium, Sodium.

Carbonate, Sulphate, Sulphide, Thiosulphate, Phosphate, Nitrate, Nitrite, Arsenite, Chloride, Bromide, Iodide, Acetate.

Insoluble Substances:—Metals as covered by the former list, together with their Oxides or Hydroxides, Carbonates, and Sulphides.

6. *Zoology.*

(a) The General Principles of Biology.

(b) The distinctive characters of the Invertebrate groups and the structure, habits, etc., of *Amœba*, *Paramœcium*, *Hydra*, *Arenicola*, *Hirudo*, *Helix*, and *Nephrops*.

(c) The distinctive characters of the Vertebrate groups and the structure, habits, &c., of *Gadus*, *Raia*, *Rana*, *Columba*, and *Lepus*.

(d) A general knowledge of the orders of Vertebrata.

(e) The outlines of the development of *Amphioxus*, *Rana*, *Gallus*, and *Lepus*, and of the characteristic larval forms of *Echinodermata*, *Crustacea*, *Annelida*, and *Mollusca*.

(f) The Geographical Distribution of Animals.

(g) A general knowledge of Wallace's Darwinism.

7. *Botany.*

The characteristic features of the following groups and classes of the vegetable kingdom :—

Thallophyta [*Schizophyta*, *Algæ*, *Fungi*]; Bryophyta [*Hepaticæ*, *Musci*]; Pteridophyta [*Filicineæ*, *Equisetineæ*, *Lycopodineæ*]; Spermatophyta [*Gymnospermæ*, *Angiospermæ* (*Monocotyledones*, *Dicotyledones*)].

The fundamental facts and principles of Organography, Physiology, and Geographical Distribution.

The life-history of the following plants :—*Bacterium*, *Nostoc*, *Spirogyra*, *Saccharomyces*, *Mucor*, *Vaucheria*, *Agaricus*, *Collema*,

Puccinia, Claviceps, Eurotium, Marchantia, Fucus, Polysiphonia, Funaria, Aspidium, Equisetum, Selaginella, Pinus, Cycas, Scilla, Capsella, Helianthus, Ulmus, Quercus.

The characters of plants belonging to the chief British natural orders of Spermatophyta.

8. *Geology including Mineralogy.*

1. *Dynamical Geology.*—The nature and operation of geological agents:—The Atmosphere, Rain, Terrestrial Waters, Ice, the Sea, Plants and Animals, Volcanoes, Movements of the Earth's Crust.

2. *Mineralogy.*—Characters of the chief rock-forming minerals.

3. *Petrology.*—Macroscopic and Microscopic Characters, Composition, Origin and Distribution of the more important Rocks.

4. *Structural Geology.*—Structure of Rock-masses, Inclination and Curvature of Rocks, Joints, Cleavage, Metamorphism, Faults, Overlap, Unconformity.

5. *Paleontological Geology.*—Characters and distribution in time, of the more important Genera and Orders found fossil in Britain.

6. *Stratigraphical Geology.*—History of the Geological Systems of the British Islands.

7. *Physiographical Geology.*—Origin of the present outlines of the Earth's surface.

IV.—DEPARTMENT OF HISTORY AND LAW.

1. *History.*

Subjects of Examination for 1906-1907.

General British History, viz. :—(1) History of the British Isles from B.C. 55 to A.D. 1837, in outline; (2) The same from 1603 to 1689, in detail.

The Examiners will attach greater importance to a grasp of principles than to mere knowledge of details.

Books recommended :—(a) For the *General History*, Gardiner's "Student's History of England," or Ransome's "Advanced History of England," Green's "Short History of the English People," C. R. L. Fletcher's, "Introductory History of England," Hume Brown's, "History of Scotland," Morris' "History of Ireland," Woodward's "Expansion of the British Empire." (b) For the *Special Period*, Gardiner, "Puritan Revolution" (Epoch Series); Hallam, "Constitutional History of England"; Firth, "Oliver Cromwell"; Macaulay "History of England"; Mathieson, "Politics and Religion in Scotland."

2. *Archæology and Art (History of).*

The subjects for examination will be the Class lectures, the Professor's Manual, "The Fine Arts," (2nd Ed.), Conway's "Dawn of Art in

the Ancient World," Tarbell's "History of Greek Art," Poynter's "Classic and Italian Painting." Candidates will be expected to show some knowledge of the original authorities for the different periods of Art History.

3. *Constitutional History and Constitutional Law.*

Subjects of examination: Constitutional History and Law of England, as treated of in the Lectures, and in the works of Stubbs, Hallam, and May; that of the N. American Colonies down to 1787; and that of the chief British Colonies (Canada, Australia, etc.). *Cf.* Synopsis of Lectures.

4. *Roman Law.*

Subjects of examination: (1) The history of the law from the foundation of Rome to the time of Justinian, and (2) a general knowledge of the principles and doctrines of the Law. Gaius' Institutes and Muirhead's "Historical Introduction," are recommended for the historical part, and the text of Justinian's Institutes, bk. i. to bk. iv., Tit. ix., must be professed for the doctrinal part.

5. *Public Law.*

I. The Philosophy of Law.

Vide under Faculty of Law.

EXAMINATIONS FOR GRADUATION IN ARTS WITH HONOURS.

(Examinations for Honours are held in April only.)

(See Time-Table of Examinations, pp. 44-46.)

I.—CLASSICS.

N.B.—It should be understood that a general acquaintance with the Greek and Latin writers of the classical age will be expected from all candidates; and unseen passages from other than the prescribed authors will form an important part of the examination.

The subjects of Examination for the Degree of Master of Arts with Honours in 1907 and 1908 are as follows:—

1. *Latin for 1907.*

Horace — Naevius, Ennius, Lucilius and Cicero (in *Merry's Fragments of Roman Poetry*)—*Ciris*, *Dirae*, *Lydia*, and *Catalepton*, vi., vii., x., xi., xii., xiii.—Cicero, *De Natura Deorum*—Pliny, *Letters*, vi. and viii.—Tacitus, *Annals*, ii., iii.

Latin prose composition—Translation from Authors not prescribed.

Candidates may also offer Verse Composition.

Roman History.—A general knowledge of Roman History to the death of Trajan, and a more special knowledge in connection with the Historical Books prescribed.

Roman Literature.—A general knowledge of the course of Roman Literature, and a more minute knowledge of the Lives and Writings of the Authors prescribed.

2. *Latin for 1908.*

Virgil—*Plautus, Pseudolus, Captivi*—Horace, *Epp.* ii. and *Ars Poetica*—Statius, *Silvae*, i., 3, 4; ii., 2, 4, 7; iii., 1-3, 5; iv., 3, 4, 6, 7; v., 1-4; Cicero, *The Consular Speeches* (63 B.C.), and Sallust's *Catiline*—Tacitus, *Annals*, xii. and xiii.

Latin prose composition—Translation from Authors not prescribed.

Candidates may also offer Verse Composition.

Roman History.—A general knowledge of Roman History to the death of Trajan, and a more special knowledge in connection with the Books prescribed.

Roman Literature.—A general knowledge of the course of Roman Literature, and a more minute knowledge of the Lives and Writings of the Authors prescribed.

3. *Greek for 1907.*

Homer, *Iliad*, i.-xii.—Pindar, *Nemean Odes*—Hesiod, *Works and Days*, 1-705—Æschylus, *Agamemnon*—Aristotle, *Rhetoric*, iii.—Plato, *Republic*, x.

Greek prose composition—Translation from Authors not prescribed.

Candidates may also offer Verse Composition.

Greek History.—A general knowledge of Greek History to the death of Alexander, and a more special knowledge of the period 431-403 B.C.

Greek Literature.—A general knowledge of the course of Greek Literature, and a more minute knowledge of the Lives and Writings of the Authors prescribed.

Greek Grammar.—As a special subject, Monro's *Homeric Grammar* (the part relating to Homeric Syntax).

4. *Greek for 1908.*

Homer, *Iliad*, xiii.-xxiv.—Plato, *Phædo*—Pindar, *Isthmian Odes*—Thucydides, iii.—Hesiod *Works and Days* (1-705)—*Agamemnon* of Æschylus.

Greek prose composition—Translation from Authors not prescribed.

Candidates may also offer Verse Composition.

Greek History.—A general knowledge of Greek History to the death of Alexander, and a more special knowledge in connection with the prescribed portion of Thucydides.

Greek Literature.—A general knowledge of the course of Greek

152 *Graduation in Arts—Honours Subjects for 1907-1908.*

Literature, and a more minute knowledge of the Lives and Writings of the Authors prescribed.

Greek Grammar.—As a special subject, Monro's *Homeric Grammar* (the part relating to Homeric Syntax).

Optional Subjects.

1. Comparative Philology for 1907 and 1908.

Candidates who take Comparative Philology as their optional subject for Graduation with Honours in Classics, will be examined in the following branches of Linguistic Science:—(a) Science of Language, including the history and general results of Linguistic research. (b) Principles of Indo-European Comparative Philology, with special reference to the Greek and Latin Languages. (c) Etymology of Greek and Latin.

Books recommended for private study:—(a) M. Müller, *Lectures on the Science of Language*. W. D. Whitney, *Language and the Study of Language*. B. Delbrück, *Introduction to the Study of Language*. (b) P. Giles, *Short Manual of Comparative Philology*. Also recommended for reference:—King and Cookson, *Principles of Sound and Inflection*. Brugmann's *Grundriss (Comparative Grammar of the Indo-Germanic Languages, trans. by J. Wright, R. S. Conway, and W. H. D. Rouse)*. Brugmann and Stolz, *Greek and Latin Grammar (Iwan Müller's Handbuch der Klassischen Alterthumswissenschaft, vol. ii.)*. Blas, *Pronunciation of Ancient Greek (Cambridge University Press)*. (c) Curtius, *Principles of Greek Etymology, book ii.*

Classical Archæology for 1907 and 1908.

1. The general history of the Arts of Form in Greece. To be studied in Overbeck's "*Schriftquellen*" and Murray's "*Handbook of Greek Archæology*."

2. The history of Greek Sculpture. To be studied in E. Gardner's "*Handbook of Greek Sculpture*" and Brunn-Bruckmann's *Photographs*.

Ancient Philosophy for 1907 and 1908.

The Pre-Socratic Philosophy, with original authorities as quoted in Ritter and Preller, *Historia Philosophiæ Græcæ*; The Sophists and Socrates; Plato, *Republic*, books vi. and vii., together with the outlines of the Platonic Philosophy.

Books recommended:—Zeller, *Pre-Socratic Philosophy*. (Translation by Alleyne.) Burnet, *Early Greek Philosophy*.

Or, as an alternative :

The Psychology and Ethics of Aristotle, with special reference to Aristotle, *De Anima*, bk. i. ch. 1; bk. ii. chs. 1-6, 12; bk. iii. chs. 1-5; *Nic. Ethics*, bks. i.-iii. and x.

Graduation in Arts—Honours Subjects for 1907-1908. 153

Ancient History for 1907.

Greek History, 490-429 B.C., with Herodotus, books vii.-ix. ; Hicks and Hill, *Manual of Greek Historical Inscriptions*, part 2 ; Thucydides, book i.

Or, as an alternative :

Roman History, 44 B.C.-14 A.D. (with special reference to the Establishment of the Principate, by Augustus), with Cicero's *Letters* (Watson's Selections), part v. ; Suetonius, *Augustus* ; the *Marmor Ancyranum* ; Tacitus' *Annals*, bk. i. (so far as it bears on the constitution of the Principate).

Ancient History for 1908.

Greek History, B.C. 621-490, with Herodotus, bks. i., v. and vi. Aristotle *Αθηνάων πολιτεία*, ch. 1-21.

Or, as an alternative :

Roman History, B.C. 70-44, with Cicero's *Letters* (Watson's Selections), parts i. and ii., and Caesar, *Civil War*.

II.—MENTAL PHILOSOPHY.¹

1. *Logic and Metaphysics for 1907 and 1908.*

A competent knowledge of the History of Philosophy and of the more advanced doctrines of Logic and Psychology. In Logic, candidates are recommended to refer to Mill's *Logic*, Venn's *Empirical Logic*, and either Bradley's *Principles of Logic* or Bosanquet's larger *Logic* ; in Psychology, to Ward's article on Psychology and James's *Principles of Psychology*.

A special knowledge of the following books :—Plato, *Sophist*—Aristotle, *De Anima*, bk. i. ch. 1 ; bk. ii. chs. 1-6, 12 ; bk. iii. chs. 1-5—Spinoza, *Ethics*—Hume, *Treatise on Human Nature*, book i. (Of the Understanding)—Kant, *Critique of Pure Reason*—Hegel's *Logic*, in Professor Wallace's translation, chs. i.-vi.

2. *Moral Philosophy for 1907 and 1908.*

A general knowledge of the history of ethical theory, and a more special knowledge of the following books :—

Plato, *Republic*—Aristotle, *Ethics*—Kant, *Critique of Practical Reason*—Sidgwick, *Methods of Ethics*—Green, *Prolegomena to Ethics* and *Principles of Political Obligation*.

¹ The special examination in Greek (see p. 124) will be held at the same time as the first paper of the M.A. Pass Examination in Greek, in October 1906 and April 1907 and will consist of (1) Passages for translation from Aristotle, *Nic. Ethics*, bk. i. ; Plato, *Republic*, bk. vi. or vii. ; (2) Easy passages for unseen translation from Xenophon, Plato, or Aristotle. Candidates must enter their names, and state which book of Plato's *Republic* they offer, one month before the date of the examination.

3. *One of the following special subjects to be selected by the Candidate—*

(a) Greek Philosophy. (b) Advanced Psychology. (c) Political Philosophy.

(a) Greek Philosophy for 1907 and 1908 will include (1) a more detailed knowledge of the Greek books set in the general list; (2) Aristotle, *Posterior Analytics*.

(b) Advanced Psychology for 1907 and 1908 (1) a more detailed knowledge of Ward's *Psychology*, and James' *Principles of Psychology*; (2) either Stout's *Analytic Psychology* or Külpe's *Outlines of Psychology*.

(c) Political Philosophy for 1907 and 1908. (1) Aristotle, *Politics*—(2) Sidgwick, *Elements of Politics*.

III.—MATHEMATICS AND NATURAL PHILOSOPHY.

Pure Geometry, Algebra, Theory of Equations, including Determinants, Trigonometry (Plane and Spherical), Analytical Geometry, Differential and Integral Calculus, Calculus of Finite Differences. (The Candidate may, if he please, profess the Elements of Quaternion Analysis.)

Analytical Dynamics and Thermodynamics, with at least two and at most three other subjects. These additional subjects may include one or more of the following branches of Mathematical Physics:—Advanced Dynamics, Electrostatics and Magnetism, Electro-kinetics and Electro-magnetism, Wave Theory, Physical Applications of Quaternions, and Advanced Astronomy (Theoretical); one or two of such branches of Advanced Experimental Physics as the following:—Constitution and Properties of Matter, Nature and Properties of Electricity, Light, and Heat and Sound (branches other than those specified to be approved by the Examiners); and one branch of Practical Physics such as Capillarity, Thermal Conduction, etc., in which the Candidate shall have submitted to the Examiners a thesis, approved by them, embodying the results of original investigation.—In addition, all Candidates will be permitted to submit to the Examiners properly authenticated records of Laboratory work conducted by them, and such records will be taken into consideration.

IV.—ENGLISH (LANGUAGE, LITERATURE, AND BRITISH HISTORY).

1. Candidates for Honours in English must attend at least four complete courses of Lectures within their Honours group, viz.: (a) Not less than two Courses in English Literature, of which one at least must be an Honours Course; and (b) not less than two Courses—one of which at least must be an Honours Course—in the Subsidiary subjects, English Language and British History; or in either of them.

2. Every such candidate must be examined in all the three subjects mentioned in the Regulations, Section XI. (1) *f*.

Subjects for 1907.

1. Literature.

1. Rhetoric and the Principles of Literature. The Professor's *History of Criticism* and *Loci Critici* are recommended. Knowledge of the following required:—Aristotle's *Rhetoric* and *Poetics*; Quintilian's *Institutes*, especially books ix. and x.; Longinus, *On the Sublime*; Dante, *De Vulgari Eloquentia*; Jonson, *Discoveries*; Dryden, *Essay of Dramatic Poesy*; Addison, *Essays on Paradise Lost* and *The Pleasures of the Imagination*; Pope, *Essay on Criticism*; Johnson, *Lives of Cowley, Milton, Dryden, Pope, and Gray*; Wordsworth's *Prose Prefaces*; Coleridge, *Biographia Literaria*, cap. xiv. to end; M. Arnold, *Essays in Criticism* (Preface and two first Essays, with Prefatory Essay to Ward's *Poets*); Masson's *Essay on Milton's English and Versification* (in Edition of Milton); Guest's *English Rhythms*.

2. History of English Literature. (1) *General*.—Books recommended:—Ten Brink's *Early English Literature* (transl. by Kennedy); Stopford Brooke's *Early English Literature*; Ward's *English Dramatic Literature*; Saintsbury's *Short History of English Literature, Elizabethan Literature* and *Nineteenth Century Literature*; Gosse's *Eighteenth Century Literature*; Ward's *English Poets*; Craik's *English Prose*; Irving's *History of Scottish Poetry*. (2) *Special*.—Literature of the Seventeenth Century. Candidates are expected to show a thorough knowledge of the following:—B. Jonson, *Alchemist, Sad Shepherd, Underwoods*; Beaumont and Fletcher, *Philaster, Rule a Wife and Have a Wife*; Massinger, *New Way to Pay Old Debts*; Poems of Herrick, Marvell, Drummond; Browne, *Urn Burial* and *Garden of Cyrus*; Milton, *Minor Poems, Paradise Lost*, book i., *Areopagitica* and *Tractate of Education*; Dryden, *Satires, Fables, Conquest of Granada, All for Love*; Butler's *Hudibras*, part i.; *Character Writers of the Seventeenth Century* (II. Morley).

3. The subjects of any other Honours Course in English Literature the Candidate may have attended.

Candidates will be required to write a Critical Essay on some subject arising out of Nos. 1, 2, or 3.

2. Language.

1. The History of Old and Middle English. For Books recommended for reference see Course on the History of Old and Middle English.

2. *Special Readings*.—*Beowulf* (ll. 1251-1887); *Judith*; Ælfric's *Lives of the Saints* (ed. Skeat, E.E.T.S., part i.); *King Horn*; *The Complaynt of Scotlande*; Douglas, *Palice of Honour*; Chaucer, *Troilus and Criseyde*.

3. O.E. and M.E. Dialects. Knowledge based on the texts of Sweet, *A.-S. Reader*, part i. (7th edit.), pp. 177-201, and part ii.;

156 *Graduation in Arts—Honours Subjects for 1907-1908.*

Morris and Morris and Skeat, *Specimens*, parts i. and ii.; and Gregory Smith, *Specimens of Middle Scots*.

4. Unseen passages in O.E., M.E. and M.Sc. for translation into modern English.

3. *British History.*

Either (a) British History from B.C. 55 to A.D. 1837 in outline, and (b) British History, A.D. 1603-1714 in detail; or, in the option of the Candidate (a) State and Church in England, 1360-1563, and (b) Original sources relating to that period. The Examination on the latter period will have special reference to Dr Lechler's Wycliffe; Wycliffe's *de officio regis*; the Vision of *Piers Plowman*; Prologue to Chaucer's *Canterbury Tales*; Fortescue's *Governance of England*; and Seebohm's *Oxford Reformers*. For other books recommended, see CALENDAR.

Subjects for 1908.

1. *Literature.*

1. Rhetoric and the Principles of Literature. The Professor's *History of Criticism* and *Loci Critici* are recommended. Knowledge of the following required:—Aristotle's *Rhetoric* and *Poetics*; Quintilian's *Institutes*, especially books ix. and x.; Longinus, *On the Sublime*; Dante, *De Vulgari Eloquentia*; Jonson, *Discoveries*; Dryden, *Essay of Dramatic Poesy*; Addison, *Essays on Paradise Lost* and *The Pleasures of the Imagination*; Pope, *Essay on Criticism*; Johnson, *Lives of Cowley, Milton, Dryden, Pope, and Gray*; Wordsworth's *Prose Prefaces*; Coleridge, *Biographia Literaria*, cap. xiv. to end; M. Arnold, *Essays in Criticism* (Preface and two first Essays, with Prefatory Essay to Ward's *Poets*); Masson's *Essay on Milton's English and Versification* (in Edition of Milton); Guest's *English Rhythms*.

2. History of English Literature. (1) *General*.—Books recommended:—Ten Brink's *Early English Literature* (transl. by Kennedy); Stopford Brooke's *Early English Literature*; Ward's *English Dramatic Literature*; Saintsbury's *Short History of English Literature*, *Elizabethan Literature* and *Nineteenth Century Literature*; Gosse's *Eighteenth Century Literature*; Ward's *English Poets*; Craik's *English Prose*; Irving's *History of Scottish Poetry*. (2) *Special*.—Literature of the Eighteenth Century. Candidates are expected to show thorough knowledge of the following:—Addison; Arnold's *Selections*; Pope, *Essay on Criticism*, *Essay on Man*, *Satires* and *Epistles*; Swift, *Tale of a Tub*, *Battle of the Books*, *Gulliver's Travels*; Thomson, *Seasons* and *Castle of Indolence*; Johnson, Gray, Collins, Goldsmith, Fergusson, Burns, *Poems*; A. Ramsay, *The Gentle Shepherd*; Cowper, *The Task*; Crabbe, *The Village*; Burke, *Reflections on the Revolution in France*.

3. The subjects of any other Honours Course in English Literature the Candidate may have attended.

Candidates will be required to write a Critical Essay on some subject arising out of Nos. 1, 2, or 3.

2. Language.

1. The History of Old and Middle English. For Books recommended for reference, see Course on the History of Old and Middle English.

2. *Special Readings*.—*Beowulf* (ll. 1-1250); *Juliana*; Alfred, *Gregory's Pastoral Care*, Pref. and chaps. 1-5; Chaucer, *The Romaunt of the Rose* (ll. 1-1750); *Juliana*, 2 versions (ed. Cockayne and Brock, E.E.T.S.); *The Owl and the Nightingale*; *Rauf Coilyear*; *Legend of the Saints* (ed. Metcalfe, S.T.S.), vol. ii., xliii. *Cecile*, xlviii. *Juliana*; 1. *Katherine*.

3. O.E. and M.E. Dialects. Knowledge based on the texts of Sweet, *A.-S. Reader*, part i. (7th edit.), pp. 177-201, and part ii.; Morris and Morris and Skeat, *Specimens*, parts i. and ii.; and Gregory Smith, *Specimens of Middle Scots*.

4. Unseen passages in O.E., M.E. and M.Sc. for translation into Modern English.

3. British History.

Either (a) British History from B.C. 55 to A.D. 1837 in outline, and (b) British History, A.D. 1603-1714 in detail; or, in the option of the Candidate (a) State and Church in England, 1360-1563, and (b) Original sources relating to that period. The Examination in the latter case will have special reference to Dr Lechler's Wycliffe; Wycliffe's *de officio regis*; the Vision of *Piers Plowman*; Prologue to Chaucer's *Canterbury Tales*; Fortescue's *Governance of England*; and Seeböhm's *Oxford Reformers*. For other books recommended, see CALENDAR.

V.—MODERN LANGUAGES AND LITERATURE.

French for 1907.

Montaigne, *Essais*—V. Hugo, *Misérables*—Balzac, *Père Goriot*, *Médecin de Campagne*, *Les Paysans*—Michelet, *Révolution*—Mignet, *Révolution*—Faguet, *Politiques et Moralistes*—The Lecturer's *Essais* (Second Series)—Corneille, *Cinna*, *Polyeucte*—Augier, *Comédies*—Dumas, *Comédies*—Cledat, *Morceaux choisis*. Montesquieu, *Esprit des Lois*.

Oral examination. Subject: Legouvé, *La Lecture en action*.

French Composition and translation of unseen passages.

French History.—A general knowledge of French History, and a more minute knowledge of the period from 1789 to 1870. Books recommended:—Michelet, *Révolution française*—Taine, *Origines de la France contemporaine*—Thiers, *Consulat et Empire*.

French Literature.—A general knowledge of the history of French Literature, and a special knowledge of the period from 1802 to 1889.

Romance Philology.—The general principles of Romance Philology.

158 *Graduation in Arts—Honours Subjects for 1907-1908.*

Books recommended :—Brachet, *Grammaire historique* ; Bartsch, *La Littérature française jusqu'au 14^{me} Siècle* ; Brunot, *Grammaire historique*, 3rd ed. ; Darmesteter, *Grammaire historique*.

French for 1908.

Merlet, *Morceaux du 16^e Siècle*—Chanson de Roland, *Les Historiens Français* (Extraits, Julian)—Rousseau, Emile, *Le Contrat Social*—Pascal, *Provinciales*—V. Hugo, *Année Terrible*—Vigny, *Morceaux choisis*—Jaine, *Littérature Anglaise* (5^e volume)—Vogué, *Les Morts qui parlent*.

Regulations otherwise as for 1907.

German for 1907.

* *Der Nibelunge Not*, ed. Bartsch—* *Wolfram v. Eschenbach*, etc. (Göschel)—*Luther*, Murner (Göschel)—*Vilmar*, Handbüchlein für Freunde des deutschen Volksliedes—*Lessing*, Nathan der Weise, Die Erziehung des Menschengeschlechts—* *Fliegende Blätter von deutscher Art und Kunst*, ed. Lambel—*Schiller*, Philosophische Aufsätze, ed. Kühnemann—*Goethe-Schiller*, Briefwechsel, ed. Robertson—* *Schiller*, Gedichte der III. Periode—*Goethe*, Lyrische Gedichte, ed. Harnack—* *Heine*, Buch der Lieder, ed. Elster—*Henschke*, Deutsche Prosa—*Hauptmann*, Die versunkene Glocke—*Sudermann*, Heimat—*G. Frenssen*, Jörn Uhl—* *Sosnosky*, Deutsche Lyrik des XIX. Jahrhunderts—*O. Weise*, Unsere Muttersprache—*Viëtor*, Die Aussprache des Schriftdeutschen.

Texts marked * will be read or interpreted in class.

Translation from authors not prescribed. German Prose composition. German Essay.

German History.—A general knowledge of the subject, and a more minute knowledge of the period from 1700 to 1900.

Recommended :—D. Müller, *Leitfaden der deutschen Geschichte*—Kaemmel, *der Werdegang des deutschen Volkes*—Günther, *Deutsche Kulturgeschichte*.

German Literature.—A general knowledge of the subject, and a more special knowledge of the authors prescribed, and of the period from 1740 to 1900.

Recommended :—M. Koch, *Deutsche Literaturgeschichte* (Göschel)—W. Scherer, *Deutsche Literaturgeschichte*—J. G. Robertson, *History of German Literature*.

German Philology.—Elements of Historical Grammar as contained in Brandt's *German Grammar* (Boston, Allyn, & Bacon).

Recommended :—Behagel, *Die deutsche Sprache*.

Oral examination in reading aloud and in German conversation. Subjects : Goethe, Heine, and Viëtor.

German for 1908.

* *Walter von der Vogelweide*, ed. Bartsch—* *Hans Sachs*, Auswahl, ed. Kinzel—* *Deutsche Volkslieder* "von Rosen ein Krentzelein," ed. Stierling—* *Lessing*, Laokoon (Auswahl)—*Kant*, Beobachtungen über des Gefühl des Schönen und des Erhabenen—* *Fliegende Blätter von deutscher Art und Kunst*, ed. Lambel—*Goethe*, Werthers Leiden—* *Goethe*, Tasso—*Schiller*, Die aesthetische Erziehung des Menschen; philosophische Gedichte—*Heine*, Buch der Lieder, ed. Elster—* *Gottfried Keller*, Gedichte—* *Sosnosky*, Deutsche Lyrik des XIX. Jahrhunderts—*Behagel*, Die deutsche Sprache—* *Viëtor*, Die Aussprache des Schriftdeutschen—*Henschke*, Deutsche Prosa.

Texts marked * will be read or interpreted in class.

Translation, composition, essay, history, literature, and philology as for 1907.

Oral examination on Henschke, Sosnosky, Weise, and Viëtor.

VI.—HISTORY.

Subjects for 1907.

Candidates for Honours in History must attend Four Courses in History, two at least of which must be Honours Courses.

Of the followingsubjects candidates must take Nos. i., ii., and iii., and also two branches under No. iv., one of which must be either (a) or (b).

i. The General British History from B.C. 55 to A.D. 1837, two papers.

ii. The Constitutional History and Constitutional Law of England (450-1832), two papers.

iii. Political Science: (1) Nature, structure, and working of the State; (2) History of Political Theories, especially since the Reformation. A knowledge of the following works is required:—Aristotle, *Politics* (a general knowledge); Hobbes, *Leviathan*, part ii. (*Of Commonwealth*); Locke, *Civil Government*; Mill, *Representative Government*; Janet, *Histoire de la Science Politique*; One paper will be set in this subject.

iv. Two papers on each of two of the following subjects, one of which must be either (a) or (b):—

(a) European History from 1715 to 1815, with special study of *Mémoires de Frédéric II.* (ed. Boutaric); *Diaries and Correspondence of the First Earl of Malmesbury*, vol. ii. pp. 66-443; vol. iii. pp. 369-599; *Autobiography of Metternich*, to 1815.

(b) i. The Constitutions of the United States of America, of France, Germany (in particular those of Prussia and the Empire), and Switzerland (see authorities in Synopsis of Lectures); or, in the option of the Candidates:

- ii. Constitutional History of England, 1362-1563, with special reference to Wycliffe, to the history of the Papacy, and to that of Bohemia (see authorities in Synopsis of Lectures).
- (c) Scottish History from 80 A.D. till 1488. Special period from 80 A.D. till 1093. Books prescribed for special period :— Rhys, *Celtic Britain* ; Adamnan, *Life of St Columba* (ed. Fowler) ; Portions of Bede's *Ecclesiastical History* (ed. Plummer), dealing with History of Scotland ; Turgot, *Life of St Margaret* (Forbes-Leith's Translation).
- (d) (1) Outlines of Greek History to the death of Alexander ; (2) Special Period Greek History, 490-429 B.C. with Herod., bks. vii.-ix. ; Hicks' and Hill's Greek Inscriptions, pt. ii. ; Thucyd. bk. i.
- (e) (1) Outlines of Roman History to the death of Nero ; (2) Special Period Roman History, 44 B.C.—14 A.D. (with special reference to the establishment of the Principate) ; with Cicero's *Letters* (Watson), part v. ; Suetonius' *Augustus* ; the *Marmor Ancyranum* ; and Tacitus' *Annals*, i. (so far as it bears on the constitution of the Principate).
- (f) History of Art: The General Subject, embracing—The Class Lectures ; The Professor's Manual, *The Fine Arts* ; Conway's *Dawn of Art in the Ancient World* ; Maspero's *Dawn of Civilization and Struggle of the Nations* ; Woltmann's *History of Painting*, vol. i. ; Vasari's *Lives of Giotto, Angelico, Donatello, Brunelleschi, Michelangelo* (in Blashfield and Hopkins' edition of the *Lives*).

Subjects for 1908.

Same as for 1907 except as follows :—(d) (2) Special Period Greek History, B.C. 621-490, with Herodotus, bks. i., v., and vi. ; Aristotle, *Αθηναίων πολιτεία*, ch. 1-21.

(e) (2) Special Period Roman History : 70-44 B.C., with Cicero's *Letters* (Watson), parts i. and ii. ; Cæsar, *Civil Wars*.

VII.—ECONOMIC SCIENCE.

[*i.e.* POLITICAL ECONOMY with either (a) MORAL PHILOSOPHY or (b) HISTORY as supplementary Honours Subjects.]

Subjects for 1907.

I. POLITICAL ECONOMY.—An advanced knowledge of Economic Theory. Special knowledge of the Economic Functions of Government and Public Finance. General Economic History of England, and special study of set subjects.

Books recommended:—General Theory.—Marshall's *Principles of Economics*, vol. i.; Keynes' *Scope and Method of Political Economy*; Nicholson's *Principles of Political Economy*. For Reference on Abstract Methods—Pantaleoni's *Pure Economics*.

Government and Finance.—Adam Smith's *Wealth of Nations*, book v.; J. S. Mill's *Political Economy*, book v.; Sidgwick's *Political Economy*, book iii.; Bastable's *Public Finance*. For Reference—Sidgwick's *Elements of Politics*, chaps. i.-xii.

Economic History.—Cunningham's *Growth of English Industry and Commerce*, vol. ii. (new edition); Seeböhm's *English Village Community*, chaps. i.-v. For Reference—Roger's *Six Centuries of English Work and Wages*; Ashley's *Economic History*; Gomme's *Village Community*; Vinogradoff's *Villeinage in England*.

Three Papers to be set.

2. MORAL PHILOSOPHY.—The papers in Moral Philosophy will be the same as the Moral Philosophy papers set for Honours in Philosophy, together with the additional paper in Political Philosophy.

3. HISTORY.—The papers in History will be *either* those specified under i., iii., and iv. (a), *or* those under ii., iii., and iv. (b) in the Regulations for Honours in History for 1907. See page 159.

Subjects for 1908.

The same as for 1907, with the addition of Vinogradoff, *Growth of the Manor*.

REGULATIONS FOR SCHOOLMASTER'S DIPLOMA.¹

1. Candidates for the Schoolmaster's Diploma must be graduates in Arts or Science of an University of the United Kingdom, or of some other University approved by the Senatus and the University Court; must have matriculated in the University for the year in which they present themselves for the Diploma; and must have attended the Class of the Theory, Art, and History of Education.

2. Candidates must pass an Examination in the Theory, Art, and History of Education, to be conducted by the Professor of that subject, and an Examiner appointed by the University Court.

3. Candidates must further satisfy the University of their practical aptitude as Teachers by teaching a class in the presence of the Professor of Education and an Examiner appointed by the University Court. *Candidates for the Secondary Schoolmaster's Diploma must in like manner give lessons in their particular department of study.*

4. The subjects of Examination are announced annually in the *University Calendar*.

¹ Changes may take place in these Regulations during the year.

5. Candidates must give evidence either—

- (a) That they have attended a Course of Practical Instruction as a King's Scholar in a Training College for Teachers, and must produce their Training College diploma for the satisfaction of the University authorities ;
- or, (b) Have gone through a complete course of Practical training in a recognised Training College¹ for Teachers—the Course to extend over not less than two terms of ten weeks each (eight hours weekly), and to include Demonstration and Criticism Lessons ; and have obtained the certificate of the University that they have satisfactorily performed the work of the Course ;
- or, (c) Have completed a Practical Course in St George's Training College,² Edinburgh, and have obtained the Certificate of the University that they have satisfactorily performed the work of the Course.

6. Candidates for the Secondary Schoolmaster's Diploma under 5 (a) or 5 (b) must, in addition, spend a third term of ten weeks (eight hours per week) in one of the recognised Secondary Schools,³ and produce the Certificate of the University that they have satisfactorily performed the work of the Course. The Course will include Demonstration Lessons by the respective masters of method in the particular subjects.

7. Successful Candidates will each receive a Diploma signed by the Principal of the University and by the Secretary of Senatus. This Diploma is of two grades : (a) *General Diploma*, for those who have taken the ordinary Degree of M.A. This is recognised by the Scottish and English Education Departments as qualifying (in the case of Graduates of the University of Edinburgh and all other graduates recognised by the Education Department) for employment in Public Schools. (b) *Secondary School Diploma*, for Masters of Arts with

¹ The Training Colleges and Masters recognised are the Church of Scotland Training College (Dr Morgan and Mr Calderwood), and the United Free Church Training College (Dr Paterson and Mr Dawson). The fee for the Course is £1, 1s., payable to the Training College authorities in each case.

² Candidates who propose to take the Practical Course at St George's Training College, should make application to the Principal, 5 Melville Street, Edinburgh.

³ The fee for the Course is £1, 1s., payable to the respective school authorities. The Schools and masters recognised are :—*Classics*, Royal High School (Dr Marshall) ; *Mathematics and Science*, George Heriot's School (Dr Lowe and Mr J. B. Clark) ; *English and History*, George Watson's Boys' College (Mr Alison and Mr Stephen) ; *Modern Languages*, George Watson's Ladies' College, George Square (Miss Ainslie). Candidates who intend to take any of the *Special School Courses* during the Session 1907, must send in their names, and the Special Courses proposed, to the Professor of Education on or before the 15th October 1906.

Honours in any Department and for Graduates in Pure Science, testifying to their fitness for Secondary Schoolmasterships, and will state the Special Subjects in which the holder of the Diploma is qualified.

8. The Fee for the General Diploma is £2, 2s.; for the Secondary School Diploma, £3, 3s.; the Fee for Re-Examination in either case is £1, 1s.

The Examinations begin on Wednesday, 17th Oct. 1906, at 9 A.M., and on Friday, 29th March 1907, at 2.30 P.M., and Candidates are required to enter their names and pay the Fees at the *Matriculation Office* on or before 28th September and 4th March. A *practical* examination will also be held towards the end of June for candidates who, having passed the *theoretical* examination in April, propose to graduate in July. Names to be entered at the *Matriculation Office* on or before the 14th June 1907.

9. The subjects of Examination are the same as for Graduation in Education, but the Standard of Pass demanded is much higher. In addition, Candidates will be expected to show a more advanced knowledge of the Principles of Education, Theoretical and Practical, and a detailed knowledge of the History of Education, especially of Hellenic and Roman Systems of Education.

Books recommended for Theory and Practice of Education:—Spencer's "Education"; Herbart's "Science of Education" (Felkin's Translation); Armstrong's "Teaching of Scientific Method"; "The Teaching of Mathematics" (British Association Report). Laurie's "Training of Teachers and Methods of Instruction."

History:—Quintilian's "Institutes of Oratory," bks. i. and ii.; Quick's "Essays on Educational Reformers"; Laurie's "Historical Survey of Pre-Christian Education"; Laurie's "Studies in the History of Educational Opinion from the Renaissance"; Compayré's "History of Education."

After obtaining the Diploma, early application should be made to The Secretary, Scotch Education Department, Dover House, London, asking for recognition as a Certificated Teacher.

I.—THE CARNEGIE TRUST.

REGULATIONS FOR BENEFICIARIES OF THE TRUST UNDER ITS PROVISIONS FOR THE PAYMENT OF CLASS FEES.

Special attention is directed to the underlined alterations, and the Regulations may be altered at any time as the circumstances may require.

I. AGE.—A beneficiary must be over sixteen years of age.

II. NATIONALITY.—A beneficiary must be of Scottish birth or extraction, or must have given two years' attendance after the age of fourteen at a school or institution under inspection of the Scotch Education Department.

∴ The Executive Committee admit the claim of Scottish extraction in the case of an applicant who can give evidence of Scottish birth of one or other of his parents.

III. PRELIMINARY EDUCATION.—(1) In the FACULTY OF ARTS a beneficiary must have passed the Arts Preliminary and Entrance Examinations required for a complete course qualifying for an ordinary degree; and, should he apply for the fee of a class for which an additional Entrance Examination is prescribed by Ordinance, he must also have passed this additional Examination.

Note.—During the Academic year 1906-7, the Executive Committee will consider claims for payment of fees from applicants in the Faculty of Arts who have passed in the four subjects of the Arts Preliminary Examination, and have still to pass a supplementary entrance Examination on a higher standard in Latin, Greek, or Mathematics, before they can complete a course qualifying for an ordinary degree. But until this supplementary examination has been passed, a second application for fees will not be granted. Under this provision a separate application must be made on a special Form, which will be supplied by the Secretary.

(2) In the FACULTY OF SCIENCE a beneficiary must have passed the Science Preliminary Examination appropriate to the degree in Pure or Applied Science for which he is studying.

(3) In the FACULTY OF LAW a beneficiary must have passed the Arts Preliminary Examination.

(4) In the FACULTY OF MEDICINE a beneficiary must have passed the Arts or Science Preliminary Examination, or have obtained the Leaving

Certificate of the Scotch Education Department, and must have satisfied in either case the requirements of the Scottish Universities Joint Board as to Medical Preliminary Examination.

Note.—During the Academic year 1906-7, the Executive Committee will consider claims for payment of fees from applicants in the Faculty of Medicine unable to satisfy fully the above conditions, provided (a) that they have obtained a pass in Science in the Leaving Certificate Examination of the Scotch Education Department, and have satisfied the requirements of the Scottish Universities Joint Board as to Medical Preliminary Examination; or (b) that they have completed a qualifying curriculum of study in the four subjects of the First Professional Examination, and have passed in two of those subjects. In case (b), fees already paid by applicants for qualifying attendances on Anatomy before they have completed their qualifying curriculum of study for the First Professional Examination may be refunded by the Trust when the First Professional Examination has been completed in accordance with Regulation IV. Under provisions (a) and (b) a separate application must be made on a special Form, which will be supplied by the Secretary.

(5) In the FACULTY OF DIVINITY, a beneficiary must have completed a qualifying curriculum of study in the Faculty of Arts, and must have graduated in Arts or have passed in all but two of the subjects of examination required for graduation in Arts.

∴ In Regulation III. it is to be understood that examinations accepted by the Universities Joint Board of Examiners as equivalent in whole or in part to those named in the Regulation will be likewise accepted by the Trust.

IV. DEGREE EXAMINATIONS.—If, after he has had two opportunities of presenting himself for examination in any subject or group of subjects required for the ordinary degree proper to his curriculum of study, a beneficiary has not passed the said examination, no further payment of class fees shall be made on his behalf until he shall have passed it.

∴ Regulation IV. will also be enforced in the case of applicants who have given previous attendance on classes, but whose class fees have not previously been paid by the Trust.

V. ADVANCED AND HONOURS CLASSES.—Payment of class fees shall be confined to the class attendances required for a curriculum qualifying for an ordinary degree: provided that, in the case of applicants who have already passed the ordinary graduation examination or examinations in the relative subject or group of subjects, payment may be made of the fees of Honours classes or of classes dealing with a distinct extension of the range of work belonging to the

obligatory classes. Special application forms for fees of such classes will be supplied by the Secretary to applicants qualified under this Regulation, except in the Faculty of Science where special forms are not required.

VI. ATTENDANCES IN MORE THAN ONE FACULTY.—Unless a satisfactory reason is given, fees will not be paid for a course of study in more than one Faculty at a time, except so far as the classes attended may belong to more than one Faculty.

VII. REPORTS OF ATTENDANCE AND WORK.—A beneficiary comes under an obligation to submit to the Executive Committee at the end of each session particulars as to his attendance and work, any distinctions he may have gained, and any graduation examinations he may have passed.

VIII. CLASS CERTIFICATES.—A beneficiary also comes under an obligation to refund the fee of any class in which he has failed to obtain a certificate that he has given regular attendance and duly performed the work of the class during the session. No payment will be made of fees of classes in which such certificates are not issued by the teacher.

NOTE.—*Applications for payment of Class Fees to be addressed to the Secretary to the Carnegie Trust, 14 Hanover Street, Edinburgh. Applicants, in writing for Application Forms or Class Lists, must name the University and Faculty in which they intend to study, and must state whether they have or have not previously obtained the benefits of the Trust.*

April 1906.

II.—APPOINTMENTS COMMITTEE.

The Senatus has instituted an Appointments Committee to assist Students and Graduates in obtaining Educational posts. A Register of available persons, with a Statement of their qualifications, is kept in the Matriculation Office. Schedules of Application may be obtained at the Matriculation Office. In order to cover expenses, a fee of 5s. is payable by each applicant on obtaining a permanent appointment through the Committee, or 2s. 6d. on obtaining a temporary one. Communications should be addressed to "The Convener of the Appointments Committee, University, Edinburgh."

Competitive Examinations for Bursaries in Arts.

HONOURS LIST.

ORDERS OF MERIT.

October 1905.

I.—STUDENTS ENTERING FIRST SESSION.

A. GENERAL BURSARY LIST.

(*Subjects of Examination*—English (100), Latin (100), Greek (100), Mathematics (100), French (50), German (50), Italian (50), and Dynamics (50), (with additional papers in English, Latin, Greek, Mathematics, French, and German). Candidates select not more than five subjects. Those who select Latin, Greek, or Mathematics, take the papers on these subjects on the Higher Standard.)

N.B.—Owing to the increase of women students sent in by various Bursary Trusts, and for other reasons, the names of all women candidates who have obtained over a certain number of marks are this year, for the first time, included in the General Bursary List. Partly for this reason the General List is longer than formerly ; but the minimum Standard has not been changed.

- | | |
|--|--|
| 1. James Hutton, George Watson's College. | 18. Archibald Romanes, Dunfermline High School. |
| 2. J. J. Maybin, Ayr Academy. | 19. { T. H. Fraser, George Watson's College. |
| 3. T. J. Cunnison, George Watson's College. | 20. { J. W. C. Gunn, Kirkwall Burgh School. |
| 4. Margaret K. Tennant, Perth Academy. | 21. B. B. Murdoch, George Watson's College. |
| 5. Robert Ross, Perth Academy. | 22. A. J. Ferguson, George Watson's College. |
| 6. A. F. Ewan, George Watson's College. | 23. G. H. Drummond, Daniel Stewart's College. |
| 7. F. M. Dickson, Royal High School. | 24. Donald Macrae, George Watson's College. |
| 8. W. S. Clark, Daniel Stewart's College. | 25. { D. H. Jones, Dundee High School. |
| 9. William Hendry, Daniel Stewart's College. | 26. { Bessie J. Keith, Miller Institution, Thurso. |
| 10. R. G. Harris, Biggar High School. | 27. John Milne, Dunfermline High School. |
| 11. J. W. Tait, George Watson's Col. | 28. D. K. Wilson, Perth Academy. |
| 12. A. C. Craig, Kelso High School. | 29. T. R. Sandeman, Daniel Stewart's College. |
| 13. { Ann S. Haig, Parson's Green Public School. | 30. William Brash, George Watson's Col. |
| 14. { A. M. Williams, George Watson's College. | 31. William Bruce, Royal High School. |
| 15. A. J. Dorward, Galashiels Academy. | 32. Elizabeth J. Robertson, Kirkwall Burgh School. |
| 16. { J. Y. Campbell, Inverness Royal Academy. | 33. R. C. Lorimer, Fettes College. |
| 17. { Cornelius Hope, George Watson's College. | |

- | | |
|---|--|
| 34. Catherine A. J. Mackay, Broughton Road Higher Grade School. | 48. Annie Watson, Harris Academy, Dundee. |
| 35. N. T. Duncan, George Watson's Col. Edward Albert, Broughton Road Higher Grade School. | 49. D. C. Mitchell, George Watson's College. |
| 37. { George Brotherstone, George Watson's College. | 50. Ella M. Scott, Dumfries Academy. |
| 38. Agnes I. Leonard, Kirkwall Burgh School. | 51. Joanna S. Ritchie, Kirkwall Burgh School. |
| 39. F. A. Wylie, Merchiston Castle Sch. | 52. Rachel B. Campbell, Grantown Grammar School. |
| 41. { Edith K. Chandler, Edinburgh Ladies' College. | 55. { D. M. Baillie, Inverness Royal Academy. |
| 42. { Norman Izat, Dollar Institution. | 56. { Jane H. B. Wilkie, Broughton Road Higher Grade School. |
| 43. Mary Edwards, George Watson's Ladies' College. | 57. { Andrew Young, George Watson's College. |
| 44. T. M. Sellar, Royal High School. | 58. J. B. Robertson, Trinity Academy, Leith. |
| 45. { J. F. Adam, Royal High School. | 59. Winifred M. Campsie, Perth Academy. |
| 46. { H. C. Todd, Fettes College. | 60. J. K. Thomson, Forfar Academy. |
| 47. James Fowler, Teviotgrove Academy, Hawick. | 61. Annie C. Nelson, Edinburgh Ladies' College. |
| 48. G. J. Lethem, Mill Hill School, London. | |

B. JOHN WELSH CLASSICAL BURSARY.

(*Subjects of Examination*—English (100), Latin (100), and Greek (100).)

- | | |
|---|--|
| 1. James Hutton, George Watson's College. | 11. R. C. Lorimer, Fettes College. |
| 2. Margaret K. Tennant, Perth Academy. | 12. D. C. Mitchell, George Watson's College. |
| 3. T. H. Fraser, George Watson's College. | 13. Robert Ross, Perth Academy. |
| 4. T. J. Gunnison, George Watson's College. | 14. William Hendry, Daniel Stewart's College. |
| 5. J. J. Maybin, Ayr Academy. | 15. N. T. Duncan, George Watson's College. |
| 6. Donald Macrae, George Watson's College. | 16. J. W. Tait, George Watson's College. |
| 7. A. J. Ferguson, George Watson's College. | 17. W. S. Clark, Daniel Stewart's Col. |
| 8. James K. Thomson, Forfar Academy. | 18. D. H. Jones, Dundee High School. |
| 9. J. Y. Campbell, Inverness Royal Academy. | 19. George Brotherston, George Watson's College. |
| 10. A. C. Craig, Kelso High School. | 20. Andrew Young, George Watson's College. |
| | 21. Archibald Romanes, Dunfermline High School. |

C. JOHN WELSH MATHEMATICAL BURSARY.

(*Subjects of Examination*—Mathematics, especially pure Geometry.)

- | | |
|--|---|
| 1. A. M. Williams, George Watson's College. | 7. John Milne, Dunfermline High Sch. |
| 2. William Brash, George Watson's College. | 8. Cornelius Hope, George Watson's College. |
| 3. G. H. Drummond, Daniel Stewart's College. | 9. W. S. Clark, Daniel Stewart's Col. |
| 4. B. B. Murdoch, George Watson's College. | 10. T. J. Gunnison, George Watson's College. |
| 5. R. G. Harris, Biggar High School. | 11. A. F. Ewan, George Watson's Col. |
| 6. F. M. Dickson, Royal High School. | 12. William Hendry, Daniel Stewart's College. |
| | 13. J. W. Tait, George Watson's College. |

D. GEORGE HERIOT BURSARIES FOR MEN (CLASS A).

(Subjects of Examination—As for General Bursary Competition.)

The Order of Merit is the order of the admitted candidates in the General List.

E. GEORGE HERIOT BURSARIES FOR MEN (CLASS B).

(Subjects of Examination—As for General Bursary Competition, but with the following values—English (100), Latin (50), Greek (50), Mathematics (100), French (100), German (100), Italian (100), Dynamics (50).)

- | | |
|---|--|
| 1. Cornelius Hope, George Watson's College. | 13. { James Fowler, Teviotgrove Academy, Hawick. |
| 2. F. M. Dickson, Royal High School. | |
| 3. R. G. Harris, Biggar High School. | 14. { T. H. Fraser, George Watson's College. |
| 4. William Brash, George Watson's College. | |
| 5. { T. J. Cunnison, George Watson's College. | 15. J. F. Adam, Royal High School. |
| 6. A. J. Dorward, Galashiels Academy. | 17. { J. W. C. Gunn, Kirkwall Burgh School. |
| 7. A. C. Craig, Kelso High School. | |
| 8. A. F. Ewan, George Watson's College. | 18. { F. A. Wylie, Merchiston Castle School. |
| 9. Robert Ross, Perth Academy. | 19. J. Y. Campbell, Inverness Royal Academy. |
| 10. D. H. Jones, Dundee High School. | 20. John Milne, Dunfermline High School. |
| 11. T. R. Sandeman, Daniel Stewart's College. | 21. D. K. Wilson, Perth Academy. |

F. GEORGE HERIOT BURSARIES FOR WOMEN (CLASS A).

(Subjects of Examination—As for General Bursary Competition.)

The Order of Merit is the order of the admitted candidates in the General List.

G. GEORGE HERIOT BURSARIES FOR WOMEN (CLASS B).

(Subjects of Examination—As for General Bursary Competition, but with the following values—English (100), Latin (50), Greek (50), Mathematics (100), French (100), German (100), Italian (100), Dynamics (50).)

- | | |
|--|--|
| 1. Ann S. Haig, Parsons Green Public School. | 7. Agnes I. Leonard, Kirkwall Burgh School. |
| 2. Bessie J. Keith, Miller Institution, Thurso. | 8. Ella M. Scott, Dumfries Academy. |
| 3. Edith K. Chandler, Edinburgh Ladies' College. | 10. { Margaret K. Tennant, Perth Academy. |
| 4. Catherine A. J. Mackay, Broughton Road Higher Grade School. | 11. { Amy Waland, Dumfries Academy. |
| 5. { Marion Edwards, George Watson's Ladies' College. | 12. Jane H. B. Wilkie, Broughton Road Higher Grade School. |
| 6. { Annie Watson, Harris Academy, Dundee. | 13. Margaret D. Roberts, Edinburgh Ladies' College. |
| | 14. Rachel B. Campbell, Grantown Grammar School. |

- | | |
|--|---|
| 14. Annie C. Nelson, Edinburgh Ladies' College. | 19. Christina N. Davies, George Watson's Ladies' College. |
| 15. Joanna S. Ritchie, Kirkwall Burgh School. | 20. Margaret W. Fairbairn, Ayr Academy. |
| 16. Jean Aitken, George Watson's Ladies' College. | 21. Winifred M. Campsie, Perth Academy. |
| 17. Elizabeth M. Grant, George Watson's Ladies' College. | 22. Sara J. I. Lawson, Edinburgh Ladies' College. |
| 18. Elizabeth F. Mason, Edinburgh Ladies' College. | 23. Sophia I. Younie, Trinity Academy, Leith. |

H. HERIOT ST GEORGE'S TRAINING COLLEGE BURSARIES (GRADUATES).

(*Subjects of Examination*—Three of the following—English (100), Latin (100), Greek (100), Mathematics (100), French (100), German (100). Papers as for General Bursary Competition.)

Jane B. T. Macdonald, M.A., Edinburgh. | Mary Black, M.A., Edinburgh.

I. HERIOT BURSARY FOR WOMEN STUDENTS OF MEDICINE.

(*Subjects as for the Preliminary Examination in Arts*—Candidates may take as many subjects as they please. The marks assigned to each subject are as follows—English (100), Latin (Higher Grade) (100), Latin (Lower Grade) (50), Greek (Higher Grade) (100), Greek (Lower Grade) (50), Mathematics (Higher Grade) (100), Mathematics (Lower Grade) (50), French (70), German (70), Italian (70), Dynamics (50).)

Elizabeth C. Eaves.

II.—SECOND YEAR BURSARIES.

(*Subjects of Examination*—Latin, Greek, and Mathematics.)

Roderick M'Kenzie.
S. C. Miller.

M. C. Comrie.
J. M. Thomson.

III.—THIRD YEAR BURSARIES.

(*Subjects of Examination*—Classics, Mathematics, and Logic with Psychology.)

T. G. Rutherford.

|
N. A. MacLean.

E. E. Enever Todd.

IV.—RENTON BURSARY.

(*Subjects of Examination*—English and Mathematics.)

Robert Wilson.

|
R. G. Harris.

G. H. Drummond.

V.—KELLAND PRIZE.

(*Subject of Examination*—Higher Geometry.)

William Brown.

VI.—PATTERSON BURSARY IN ANGLO-SAXON.

Norman Macleod.

GRADUATES IN ARTS.

HIGHER DEGREES.

DOCTOR OF LETTERS (D. LITT.).

- | | |
|--|--|
| 1897. Alexander Douglas Thomson, M.A. (Edin.). | 1902. Robert Alexander Falconer, M.A., B.D.
1903. John Lees, M.A. |
| 1906. William Porter. <i>Thesis</i> —"The Influence of the Old Testament on the Ancient Syriac Gospels." | |

DOCTOR OF PHILOSOPHY (D. PHIL.).

- | | |
|--|--|
| 1897. John Davidson, M.A. (Edin.).
Robert Latta, M.A. (Edin.).
Hugh Ross Mackintosh, M.A. (Edin.). | 1899. James Black Baillie, M.A.
1900. John Smyth, M.A. (N.Z.).
1904. John Wood Oman, M.A.
George Robert Thomson Ross, M.A.
1905. John Davidson, M.A. |
| 1897. Patrick Johnston MacLagan, M.A. (Edin.). | |
| 1906. Bruce M'Ewen, M.A., B.D. <i>Thesis</i> —"An Introduction to Hume's Natural Religion." | |

SPONSIO ACADEMICA FOR M.A.

Nos qui Nomina subsignamus Magisterii titulo jamjam donandi Spondemus nos in omni debitae gratitudinis officio erga Universitatem Academicam Edinburgensem ad extremum vitae halitum perseveraturos.

DEGREE OF M.A. WITH HONOURS—1889-1906 *inclusively*.

The names of all Graduates in Arts with Honours previously to 1889 will be found in the List of Graduates of the University published in 1889.

The contractions Class., Phil., Math., Eng., Hist., Mod. Lang., Nat. Sc., and Econ. Sc. indicate the Departments or Groups of Classics, Mental Philosophy, Mathematics and Natural Philosophy, English, History, Modern Languages, Natural Science, and Economic Science respectively; and the Italic Numerals, i., ii., and iii. indicate First, Second, and Third Class Honours respectively.

1889.

Class. i., Patrick Duncan, Harry Angus Alexander Kennedy, Thomas Ross Mills, Jas. Cruickshank Smith, John Tennant.

Class. ii., Robert Alex. Falconer, Alexander Harris Hutt.

Phil. i., Charles Mackinnon Douglas, William George Smith.

Phil. ii., David Walton Vaughan.

Math. i., James Ireland Craig, William Andrew Knowles, Jas. Fairbairn M'Kean.

Nat. Sc., Alexander Bremner, John Brown Clark, David Davidson, John Melvin Lowson, Robert Stewart M'Dougall, John Machray, John Hally Meikle, Harry Fisher Menzies, Alexander Gordon Wallace, John Young.

1890.

Class. i., John MacLennan, James Watt.

Class. ii., William Brereton Denison, Wm. Barron Stevenson.

Phil. i., Andrew Nisbet Bogle, Duncan Mackenzie, Thomas Dixon Rutherford, James Stewart.

Phil. ii., Henry Reynolds Brown, William Elmslie Wilkie Brown Dempster, Arthur Herbert Gray, Walter Hardie.

Math. i., Charles Tweedie.

Nat. Sc., James Adamson, William Lewis Martin, John Myles, Andrew Robertson Wilson.

1891.

Class. ii., John Adam Norrie, William Gibson Wedderspoon.

Phil. i., Henry Barker, John Davidson, Walter Chas. Murray.

Phil. ii., Alexander Grieve, Wm. Allan Neilson, Alexander Joseph Pearse.

Math. i., John Forbes, Adam Mitchell Hunter, William Edward Philip, William Leslie Thomson, John Turner.

Nat. Sc., Robert Pollok, James Rodger Watson.

1892.

Class. ii., Peter Campbell, William Gracie, Hugh Ross Mackintosh.

Phil. i., Hugh Ross Mackintosh.

Phil. ii., Thomas Linton, William Joseph Pennell.

Math. i., James Mitchell.

Math. ii., Alexander Campbell Mackay.

Nat. Sc., John Smith Flett.

1893.

Class. i., Robert Gordon McKerron.

Class. ii., Walter Robertson Henderson, Hugh Lugton Jackson, Robert Montgomerie Samson.

Phil. i., Alexander Beith Macaulay, Hugh Pattison Macmillan, Lilius Maitland.

Phil. ii., William John Collier, Sydney Smith, William Finlayson Trotter.

Math. i., Neil Macmichael.

Math. ii., George Lowe Moffat, Frank Spence, Thomas Wilkie Wilson, James Wood.

Nat. Sc., Frank Spence, William White Taylor, William Watson.

1894.

Class. i., George Liddell, James Middleton Moore, Robt. Lindsay Ross.

Phil. i., James Black Baillie.

Math. i., Alexander George Burgess, John Watt Butters, Henry Herd, John Alexander Johnston.

Math. ii., Thomas Cleghorn Baillie.

Nat. Sc., John Watt Butters.

1895.

Class. i., Francis Dewar, William John Keith, Alexander Buchanan Macdonald, William Wallace M'Kechnie, Alfred Croom Paterson, William David Ross.

Class. ii., George Duncan Low, Peter M'Gregor, James MacKenna, Charles Cunningham Watson.

Phil. i., John Macaskill.

Phil. ii., James Bonnar Russell, Robert Whyte.

Math. i., John Forbes Cameron, Hugh Archibald Jamieson, James Alexander Macdonald, Thomas William Pickles.

Math. ii., Robert Candlish Melville Bell.

Eng. i., David Nichol Smith.

1896.

Class. i., Charles Samuel Edgar, Alexander Macgregor, Jessie Thomson Muir.

Class. ii., Marshall Newton Goold Gray, Tom Bell Maxwell Lamb, William Robb.

Math. and Nat. Phil. i., William Jeffrey, Malcolm Caird M'Alpin, Andrew Cameron Smith, Frank Guthrie Smith.

Math. and Nat. Phil. ii., John Smith Begg, Leopold Octavius Critchley.

Eng. i., Geo. Douglas Shepherd.

Eng. ii., Emily Moir Milligan.

Eng. iii., Louisa Reid Boyd.

1897.

Class. i., Sidney George Campbell, William Alexander Curtis, Arthur Berriedale Keith, Donald Allan Macnaughton, Thomas Stewart Macpherson, William Cuthbert Morton.

Class. ii., David William Inglis, Ethelwyn Lemon, William Mackenzie, George Robert Thomson Ross.

Class. iii., Marcus Dods.

Phil. i., Charles Macfie Campbell, Bruce M'Ewen, Frances Helen Melville, George Claus Rankin, George Robert Thomson Ross.

Phil. ii., Alfred George Hogg.

Math. and Nat. Phil. i., Richard Bell, Alexander Brown, James Chalmers Leighton.

Math. and Nat. Phil. ii., David Macrae Aitken, George Ednie, William David Proudfoot.

Eng. i., George Dundas Craig.

Hist. i., John M'Farlane.

1898.

Class. i., Victor Caldwell, William Dunbar, John Lees, Bernard Herrmann Richardson, James Stirling Ross.

Class. ii., Alexander Flint, David Lindsay Norrie.

Class. iii., Rosa Gertrude Caroline Stoltz.

Phil. i., Archibald Scott Ballantyne, Alexander Darroch, John Adam Gray, David Hutchison Macgregor, Alexander Mair, Aeneas Rose.

Math. and Nat. Phil. i., Ernest Masson Anderson, B.Sc., James Mitchell Low, John Brotchie Meiklejohn, Hugh Mitchell, James Thomas Young, B.Sc.

Math. and Nat. Phil. ii., Henry Alfred Braine, Patrick Sinclair Hardie, James Lornie.

Math. and Nat. Phil. iii., Donald Banks, William Thomson.

Eng. ii., Charles Henry Moore, William Porter.

Mod. Lang. i., George Brown, James Melville.

Mod. Lang. ii., Jessie Annie M'Kechnie.

Hist. ii., Bessie Brown Bird, Alexander Barrie Robb.

1899.

Class. i., James Young Bell, James Crerar, Augusta Murray Campbell Davidson, Charles Gordon Mackay.

Class. ii., Donald James Boyd, Joseph Hardie Cattanach, Kenneth Neville Knox, Henry Crawford Liddell, Herbert Smiles, Ralph Alex. Wilson.

Phil. i., Thomas Miller Forsyth, Liliás Amélie Geraldine Fraser, John Mackintosh Shaw.

Phil. ii., George Wedderspoon.

Math. and Nat. Phil. i., Robert Duncan Bell, David Drysdale, James Macdonald Dunnett, Archibald Milne, Samuel Findlater Stewart.

Math. and Nat. Phil. ii., George Aimer Russell, Henry Wilkie.

Math. and Nat. Phil. iii., Alexander Waddell.

Eng. i., Thomas Paterson.

- Eng. ii.*, William Geddie, Charles Frederick Grant.
- Mod. Lang. i.*, Bessie Hunter Auld Robson.
- 1900.
- Class. i.*, James Bryce Jamieson, Kenneth Maclellan, William David Russell Prentice, William Rennie, Isabella Watt Stevenson.
- Class. ii.*, Thomas Davidson, George Victor Dunnett, Francis John Gordon, Harry Campbell Norman, Douglas Galton Robertson, Alexander Thomson, Roderick Barron.
- Phil. i.*, Alexander Mackie.
- Phil. ii.*, Edith Sophia Hooper, Jessie Chrystal Macmillan, B.Sc.
- Math. and Nat. Phil. i.*, Jessie Chrystal Macmillan, B.Sc.
- Math. and Nat. Phil. ii.*, Edward Blades, David Moncrieff Johnstone.
- Math. and Nat. Phil. iii.*, Robert Norrie.
- Eng. i.*, Edith Sophia Hooper, John Purves.
- Eng. ii.*, John MacRae, Richard Hunter Moar.
- Mod. Lang. i.*, Jessie Lees, Johanne Frederikke Thomsen, Mary Tweedie.
- Mod. Lang. ii.*, Jessie Alice Linton, Robert Taylor.
- Hist. iii.*, Robindra Kumar Naug.
- 1901.
- Class. i.*, Hector James Anderson, James Anderson, John Menzies Baillie Duncan, Alexander Duthie, Francis Henry Tower Gray, Norman James Henderson, William Pryde, Christina Macdonald Ross.
- Class. ii.*, Alexander Cunnison, George Turner Ford, John M'Kinnon Hendrie, Matthew Smith Ketchin, James Ian Macpherson, Gertrud von Petzold, Alfred John Sturrock.
- Class. iii.*, John Alex. Ferguson.
- Phil. i.*, Alexander Watson M'Clymont.
- Phil. ii.*, Marion Isabella Gray.
- Phil. iii.*, James Waterston.
- Math. and Nat. Phil. i.*, Roderick M'Leod Shearer.
- Math. and Nat. Phil. ii.*, Alexander Robert Normand, John George Sutherland.
- Eng. i.*, John Inch Low.
- Eng. ii.*, Margaret Smith Cleghorn.
- Eng. iii.*, Jean Hill Macnair.
- Mod. Lang. i.*, Mary Ellen Macdonald Clark, Janie Middleton.
- 1902.
- Class. i.*, George Frank Dingemans, Charles Goodall, John Macintyre Sutherland, Walter Ernest Wait.
- Class. ii.*, Wm. Browne Brander, Walter Booth Gravely, Charles James Macpherson, William Henry Nelson, Catherine Anne Nicolson, Wm. Cowper Robertson, Alex. Mackintosh Shaw.
- Class. iii.*, Hans Friedrich Egge-ling, James William Meldrum.
- Phil. ii.*, Geo. Anderson Smillie.
- Math. and Nat. Phil. i.*, Alexander Gray, George Philip, William Nairn Prophet, Edward Burns Ross.
- Math. and Nat. Phil. ii.*, John Ambrose Abercromby Morrison, Walter Glendinning Napier, William Scott.
- Eng. i.*, George Alex. Waters.
- Eng. ii.*, Jeanie Cardno Rait, Mary Gordon Williamson.
- Mod. Lang. i.*, Wilhelmina Gladstone Jameson, Margaret Turnbull Spears.

Mod. Lang. ii., Flora O'Riordan.
Mod. Lang. iii., George Milne Harper.

Hist. i., Mary Gordon Williamson.
 1903.

Class. i., Alexander James David Lothian, Robert Morrison Maciver, George Robertson, Donald Horne Wares.

Class. ii., Charles David Ogilvy Barrie, George Gustav Radloff Brebner, William Farquharson, Albert James Welldon Laing, Alexander MacLennan, Lilian Sutherland Ross, Stewart Waterston.

Class. iii., James William Ewart Gladstone, Murdock M'Kenzie Wood.

Phil. i., John Handyside.

Phil. ii., George Gordon Campbell.

Phil. iii., Donald Cattanach Gordon, Duncan Macdiarmid, John M'Laren.

Math. and Nat. Phil. i., John Anderson, George Alexander Carse, George William Jones, Joseph Henry MacLagan-Wedderburn, Andrew John Ritch, Frank Ross, Peter Ross.

Math. and Nat. Phil. ii., James Davidson Fulton, Archibald Reith Low, Alexander Jamieson Ross.

Math. and Nat. Phil. iii., James Gunn.

Eng. i., John Liddell Geddie.

Eng. ii., Peter Matthew Curle, Jane Ness Lowson.

Mod. Lang. i., Samuel Stephen Anderson, Liliac Macgregor, Margaret Anne Matheson Maclean, Minnie Moore, Matthys Pieter Rooseboom.

Mod. Lang. ii., Marion Taylor Moffat, Elizabeth Findlay Porter.

Hist. i., Charles Lockhart Riach.

Econ. Sc. i., Patrick Boyle Mure Macaulay, Charles Lyall Philip.
 1904.

Class. i., Alex. Falconer Giles, Beatrice Somerville Brodie M'Murtrie, John Chas. Hirschfeld Macnair, Gilbert Watson.

Class. ii., William Cowan Ogilvy Barrie, David Lynedoch Cattanach, Robert John Maule Horne, Donald Matheson Maclean, Charles Babington Smith Monfries, Gulielma Frances Sargood Peterson, George Lingard Turnbull, Maxwell MacLagan Wedderburn.

Class. iii., Elizabeth Maude Alexander, Norman David Mudie, Fred Maurice Philip.

Phil. i., William Johnstone.

Phil. ii., Kenneth Edward, John Kellie, Jas. Marshall Robertson.

Math. and Nat. Phil. i., Alexander Howe Gardner, Peter David Innes, Archibald King.

Math. and Nat. Phil. ii., Margaret Adamson, James Black, Henry Hewat Craw, James Todd Johnstone, George David Walker.

Math. and Nat. Phil. iii., Alexander Cross Mallace.

Eng. ii., Charles Falconer Allan.

Mod. Lang. i., Grace Fergie, Arabella Sophia Furnell, Annie Reid Murray.

Mod. Lang. ii., Marion Haworth Smith.

Hist. ii., Margaret Cuthbertson Aitken.

Econ. Sc. ii., Agnes Jane Monteath.

1905.

Class. i., Walter Carter, Alexander Keith Jameson, John Cormack M'Kenzie, James Cameron Stewart, Thomas White.

- Class. ii.*, Ganesh Sadashiva Bhaté, John Mackenzie Glen, John Jackson, William Joseph Cornwall Laurie, Philip William Lilley, Alastair Duncan Atholl MacGregor, Hubert William Strathairn.
- Class. iii.*, John Pinkerton, George Young, Arthur Robert Gow M'Millan.
- Phil. i.*, George Freeland Barbour.
- Math. and Nat. Phil. i.*, Barbara Ritchie Annan Brown, Jessie Forbes Cameron, John Brown Marshall, Duncan Royston Matheson, Alexander Johnson Merriles.
- Math. and Nat. Phil. ii.*, George Dunn, Wm. Somerville Millar.
- Eng. i.*, William Ferrier, Donald Tolmie Mackintosh, Adam Blyth Webster.
- Eng. ii.*, Thomas Smith Crichton, Thomas Crockett, James Munro, Elizabeth Harley Cunningham Pagan.
- Mod. Lang. i.*, Liliias Brownlee Howden, Joanna Elizabeth Levack, Mary Cameron MacCallum, Jane Bathurst Thomson Macdonald, Alexander Sandeman Robertson, Margaret Kinmont Ross, Alexander Frederick Whyte.
- Mod. Lang. ii.*, Mary Black, Maggie May Drever, Margaret Ann Falconer, Margaret Finlayson Gilmour, Alice Marjory Jones, John Proudfoot Macgregor, Jenny Seller Wingate.
- Mod. Lang. iii.*, David Young Anderson.
- Hist. i.*, Thomas Robert Gardiner, James Munro.
- Hist. ii.*, William Veevers, Philip William Lilley, Ganesh Sadashiva Bhaté.
- Econ. Sc. i.*, Thomas Robert Gardiner.
- Nat. Sc.*, James Clark.
- 1906.
- Class i.*, William Chalmers Douglas, George Simpson Duncan, John Wood Nelson, William Mitchell Smail, James Turner.
- Class ii.*, George Keith Drimmie, William Dey Fyfe, Henry Duncan Graves Law, Margaret Simpson Johnstone Maybin, George Seaton Robertson, Donald Miller Watson, John Kerr Wylie.
- Class iii.*, Agnes Blacklay, James Arthur Coullie, Henry Douglas Irvine, George Morris.
- Phil. i.*, George Ewan.
- Phil. ii.*, David Coventry Wilkie.
- Phil. iii.*, John Polson.
- Math. and Nat. Phil. i.*, Herbert Bell, David Gibb, John Harkess.
- Math. and Nat. Phil. ii.*, James Mason.
- Math. and Nat. Phil. iii.*, Wm. Thos. Gordon, Robt. M'Intosh, Hugh Bryden Murdoch.
- Eng. i.*, Jeanie Paterson Duffes, Wm. Falconer, Rudolf Pintner, James Alexander Roy.
- Mod. Lang. i.*, Margaret Kennedy, Jean M'Kenzie Laurie, Evan mor MacColl, Nannie M'William.
- Mod. Lang. ii.*, Jean Carlisle Bowie, James Donaldson, Flora Watson Fullarton, Julia Minnie Charlotte Waltenberg.
- Hist. i.*, John Davidson.
- Hist. ii.*, Henry Duncan Graves Law.
- Econ. Sc. i.*, John Wood Nelson, David Coventry Wilkie.
- Econ. Sc. ii.*, Stanley Buchanan Carey.

HONOURS OBTAINED AFTER GRADUATION.

1899.

Phil. iii., Peter Campbell, M.A.
Mod. Lang. ii., Isabella Murray
Ogilvie, M.A.

1901.

Class. ii., George Wedderspoon,
M.A.
Phil. ii., Hugh Oswald, M.A.,
Robert George Patterson, M.A.
Eng. iii., Alexander Coghill
Murphy, M.A.

1902.

Phil. ii., Alexander Duthie, M.A.
Eng. i., William Landells, M.A.
Mod. Lang. i., Margaret Duncan
Black, M.A.
Econ. Sc. ii., Thomas Fraser Scott,
M.A., Ernest Shearer, M.A.

1903.

Phil. ii., David Hall Hislop, M.A.
Eng. i., George Kitchin, M.A.
Mod. Lang. ii., Agnes Ann
Macgregor, M.A., Elizabeth
Jane Ross, M.A.

1904.

Class. ii., James Jackson, M.A.
Eng. i., Henry Wm. Meikle, M.A.

Eng. ii., Alexander Mitchell, M.A.
Mod. Lang. i., Jeanie Bell Smith,
M.A.

Mod. Lang. ii., Edith Robertson
Riach, M.A.

Mod. Lang. iii., Jessie Ann Men-
zies, M.A.

Econ. Sc. ii., George Milne Har-
per, M.A., Samuel Hunter, M.A.

1905.

Phil. ii., James Ferguson Nicoll,
M.A.

Eng. ii., Lizzie Murray Moyes
Adams, M.A., Alexander
Jamieson Ross, M.A.

Eng. iii., David Henderson, M.A.
Econ. Sc. i., Alexander Gray,
M.A.

1906.

Eng. ii., Thomas Hutton Heddle,
M.A.

Mod. Lang. ii., Barbara Ritchie
Annan Brown, M.A.

Hist. i., William Dobbie Ritchie,
M.A., Alex. Robertson, M.A.

Hist. ii., Alexander Mitchell, M.A.
Econ. Sc. i., James Munro, M.A.

ORDINARY DEGREE, 1905-1906.

28th July 1905.

John Alexander Sutherland.

21st October.

Adamson, Robert Stephen.
Anderson, Isabella.
Beattie, Jane M'Creath.
Chamberlain, George Lauer.
5 Ewing, James Alexander.
Gillespie, William Russell.
Ingram, Helen Jane.
Ireland, Isabel Mary.
Levack, Susan Campbell.
10 MacCallum, John Cameron.
Mackenzie, Katherine Jessie
Stewart.
Mason, Charles Douglas
Thomas (*in ab.*).

Nicol, Joseph Clark.
Pealling, Robert John.
15 Rhenius, Rajaratnam Veda-
nayagam.
Robinson, Joseph Arthur.
Scott, James.
Simpson, John Findlater.
Sowden, George Smith.
20 Thomson, Annie.
Whyte, William Jennings
Hepburn.
Yule, Euphemia Terras.

12th April 1906.

- | | |
|--|---|
| <p>Aitken, Robert.
 Allen, Ruben Watt.
 Bain, Euphemia Muir.
 Bain, John Donald.
 5 Bertram, Helen Hunter.
 Bews, John William.
 Boyd, Isabella.
 Brash, James Couper.
 Brown, Thos. Andrew Petrie.
 10 Brydone, Thomas.
 Burt, Archibald Alexander.
 Carmichael, Gilbert.
 Clegg, Agnes.
 Cossar, James.
 15 Crawford, Georgina Thomson.
 Crawford, William.
 Crocker, Beatrice.
 Cutt, John.
 Davidson, Susan Smith.
 20 Dickie, Isabella Fergusson.
 Duff, John Hartley.
 Dunlop, Wm. John Mercer.
 Ewing, Alexander James.
 Falconer, Peter Addison.
 25 Farmer, James.
 Farquhar, Annie Mitchell.
 Ferguson, Jean Scott.
 Finlayson, Alexander Wilson.
 Forbes, William John.
 30 Forster, Charles Edwin.
 Forsyth, Emily Mabel.
 Fortune, William Moodie.
 Glegg, David Baird.
 Graham, John.
 35 Grieve, John.
 Haig, Margaret Threipland.
 Hamilton, George.
 Henderson, Alexander.
 Hislop, Thomas.
 40 Innes, Donald.
 Johnson, Margaret Lamont.
 Keith, John Alexander.
 Kesting, Norman Gottfried.
 Kissach, Mabel.
 45 Lawson, Robert Sharp.
 Lindsay, John George.
 Macdonald, Katherine Kinnear.
 MacKenzie, Donald John.
 Maclean, Alexander Duncan.</p> | <p>50 MacLeod, Malcolm.
 M'Michael, May.
 MacRae, Martin.
 Main, Norman Stewart.
 Mann, Henry Darney.
 55 Marr, George Simpson.
 Meister, Marguerite Alice Julie.
 Moore, Margaret Findlay.
 Munro, Horace Frederick
 Moncrieff.
 Munro, Mary Joanna Minty.
 60 Munro, Norman M'Leod.
 Murray, William.
 Naismith, John Oliver.
 Paton, James.
 Paton, William Calder.
 65 Pillai, Narayana Kunjan (B.A.).
 Porteous, Edith Margaret.
 Rabagliati, Herman Victor.
 Rae, David Adams.
 Rai, Dewan Hakumat (B.A.).
 70 Rankin, Oliver Shaw.
 Reavely, May.
 Reid, John.
 Reid, Kathleen Ida.
 Rose, Joan Kennedy.
 75 Ross, Jean Christy Macleod.
 Rutherford, Andrew.
 Salmond, Alexander Hampton.
 Scott, Charles Bevers.
 Scott, Henry Garnock.
 80 Shaw, John James M'Intosh.
 Short, William.
 Sime, Frederick David.
 Simpson, Geo. Duddingston.
 Sinclair, Veronica.
 85 Smith, Agnes Mary.
 Smith, Jessie.
 Steel, Margaret Jessie.
 Swan, John.
 Stewart, Jessie Dalgleish,
 90 Thomson, John.
 Turner, John Chambers.
 Wallace, Thomas Sword.
 Warden, William Dowie.
 Wilson, John Dykes.
 95 Wilson, William.
 Winchester, William Douglas.
 Young, William Paulin.</p> |
|--|---|

SCHOOLMASTER'S DIPLOMA, 1905-1906.

The Diploma was conferred on the following Candidates :—

A.—DIPLOMA FOR TEACHERS IN SECONDARY SCHOOLS.

28th July 1905.

- Augusta Rudmose Brown, M.A., Aberd. (First Class Honours in English).
 Meta M'Combie, M.A., Aberd. (First Class Honours in Classics).
 Mary Gordon Williamson, M.A., Edin. (First Class Honours in History,
 and Second Class Honours in English).

12th April 1906.

- Jean Carlisle Bowie, M.A., Edin. (Second Class Honours in Mod. Langs.).
 Jeanie Paterson Duffes, M.A., Edin. (First Class Honours in English).
 Andrew Duncan, M.A., B.Sc., Edin.
 Flora Watson Fullarton, M.A., Edin. (Second Class Honours in
 Modern Languages).
 Archibald King, M.A., Edin. (First Class Honours in Mathematics
 and Natural Philosophy), B.Sc., Edin.
 Margaret Kennedy, M.A., Edin. (First Class Honours in Mod. Langs.).
 Jean M'Kenzie Laurie, M.A., Edin. (First Class Honours in Modern
 Languages).
 Mary Cameron MacCallum, M.A., Edin. (First Class Honours in
 Modern Languages).
 Robert M'Intosh, M.A., B.Sc., Edin.
 Nannie M'William, M.A., Edin. (First Class Honours in Mod. Langs.).
 James Mason, M.A., Edin. (Second Class Honours in Mathematics
 and Natural Philosophy), B.Sc., Edin.
 Rudolf Pintner, M.A., Edin. (First Class Honours in English).
 George Wedderspoon, M.A., Edin., (Second Class Honours in Classics
 and in Mental Philosophy) (*in absentia*).

B.—GENERAL DIPLOMA.

28th July 1905.

- Helen Anderson Hunter, M.A., Edin.
 Jessie Robertson Spears, M.A., St. And.

21st October.

- Helen Jane Ingram, M.A., Edin.

12th April 1906.

- Gilbert Carmichael, M.A., Edin.
 Beatrice Crocker, M.A., Edin.
 Isabella Fergusson Dickie, M.A., Edin.
 Emily Mabel Forsyth, M.A., Edin.
 Isabel Mary Ireland, M.A., Edin.
 Katherine Kinnear Macdonald, M.A., Edin.
 Marguerite Alice Julie Meister, M.A., Edin.
 Margaret Jessie Steel, M.A., Edin.
 John Chambers Turner, M.A., Edin.

Bursaries, Prizes, Scholarships, and Fellowships in Arts.¹

I.—BURSARIES.

NOTE—In certain cases Income Tax will be deducted from the sums given below, which may be recovered by the Bursars. The accuracy of the figures is not guaranteed.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	16—	George Heriot.	11	3	£30 0 0	Governors of George Heriot's Trust.
		Do. Bursaries for Women.	12	3	30 0 0	Do.
		Do. Geo. Heriot's School University Bursaries.	20	4	30 0 0	Do.
		Do. High School Univer. Bursaries.	9	3	30 0 0	Do.
II.	1619	Archibald Johnston, Merchant in Edin.	1	4	12 16 8	Earl of Haddington.
III.	{ 1622	John Trotter of Morton-	1	4	12 14 11	Trotter of Morton-
	1764	hall, and Rev.				hall and Gilmour of
	1766	J. Penman of Both-				Craigmillar, alter-
		kennar.				nately.
IV.	{ 1626	Hugh Wight, David	1	4	12 15 5	Town Council.
	1629	M'Call, and David				
	1640	Christie.				
	1726					
V.	1639	Dr Robt. Johnstone	2	4	17 3 2	Hope Johnstone of
		of London.				Annandale.
VI.	1639	Do. do.	2	4	12 4 6	Town Council.
VII.	{ 1642	Weir, Jenkins, Hep-	1	4	11 2 9	Town Council, 1st and
	1653	burn, and Light-				2nd Presentations.
	1696	body.				and Campbell of
						Aberuchill, 3rd Pre-
						sentation.
VIII.	{ 1644	Jas. Dalgliesh, and	1	4	13 11 2	Town Council.
	1673	Jn. M'Morran.				
IX.	1678	John Penman, Bailie	1	4	14 11 4	Society for the Bene-
		and Merchant,				fit of the Sons of the
		Edinburgh.				Clergy.
X.	1678	Hector Ford of	3	4	10 17 2	Town Council.
		Branxton.				
XI.	1687	Sir Andrew Ramsay	1	4	10 17 6	Do. and Ministers of
		of Abbotshall.				Edinburgh.
XII.	1698	Ad. Chrystie, Under	1	4	18 0 0	Faculty of Advocates.
		Clerk of Session.				
XIII.	1702	Thos. Bryson, Bailie	2	4	12 0 0	Ministers of the Pres-
		and Merchant in				bytery of Dunbar.
		Dunbar.				
XIV.	{ 1703	Pringle and Wardrop.	1	4	18 4 4	Pringle of Torwood-
	1725					lee and J. C. War-
						drop, W.S., alter-
						nately.

¹ See Conditions, page 183.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
XV.	1714	Rev. Robert Brown, of Protestant Consistory at Zamose.	2	4	{ 14 13 2 9 0 0	Town Council.
XVI.	1723	Alexander Mitchell and James Shortt.	1	4	£21 15 2	Livingston Learmonth of Parkhall and his heirs; Earl of Morton and his heirs.
XVII.	1734	Laurence Dundas, Professor of Humanity in the University of Edin.	2	4	About 26 0 0	Jas. Dundas of Dundas, Robt. Dundas of Arniston, and Dundas of Carronhall, by turns.
XVIII.	1768	Thos. Fraser, Clerk in the office of City Clerk, Edinburgh.	2	7	21 5 6	The Provost, Dean of Guild, and Treasurer of Edin.
XIX.	1784	William Hume, Eastbarns, Dunbar.	2	4	12 0 0	Ministers of the Presbytery of Dunbar.
XX.	1784	Rev. Jas. Millar and Spouse.	1	4	23 14 0	Kirk-Session of Kippen.
XXI.	1809	Dr Donald Grant, London.	4	4	About 45 0 0	Earl of Seafield, and James Mackenzie, W.S., as Dr Grant's Trust; whom failing, Sen. Acad.
XXII.	1810	Rev. James Stuart.	2	3	17 12 0	Senatus Academicus.
XXIII.	1837	James Menzies.	4	4	45 0 0	Sir N. J. Menzies, Bt., & Ministers of Dull, Weem, & Fortingall.
XXIV.	1837	Peter Dow, Esq. of Balmyle.	2	4	10 0 0	P. S. Keir, Esq. of Kindrogan, J. Small, Esq. of Dirnanean, and W. A. Keir, Esq., Yr. of Kindrogan.
XXV.	1838	Robert Blair, D.D., Barton St Andrews, Norfolk.	1	3	8 11 2	Principal, and Profs. of Latin, Greek, Mathematics, Logic & Metaphysics, and Moral Philosophy.
XXVI.	1846	John Jamieson, Esq., Edinburgh.	1	4	About 26 0 0	Principal, & two Profs. of the University.
XXVII.	1846	G. P. Bidder, C.E.	1	4	42 12 6	Senatus Academicus.
XXVIII.	1852	Wm. Lennie, Esq.	4	4	12 0 0	Town Council.
XXIX.	1853	John Bruce, Esq., Trinity Crescent, Edinburgh.	{ 1 4	{ 4 4	{ 40 0 0 30 0 0	{ Do.
XXX.	1858	M'Diarmid Trustees.	1	3	10 0 0	Senatus Academicus.
XXXI.	1860	Wm. Patrick, Esq., of Roughwood.	3	4	About 44 0 0	Principal and Professors in Arts.
XXXII.	1858	Edin. Ayrshire Club.	2	2	30 0 0	Edin. Ayrshire Club.
XXXIII.	1863	Peeblesshire Society.	1	4	20 0 0	Peeblesshire Society.
XXXIV.	1864	Edin. Caithness Association.	1	4	10 0 0	Edin. Caithness Association.

¹ See Conditions, page 185.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars	For Years.	Annual Allowance to each Bursar.	Patrons.
XXXV.	1864	A.H. Rhind of Sibster.	1	4	About	Edin. Caithness Asso. Senatus.
XXXVI.	1865	Mrs Margt. Tyndall Bruce, of Falkland.	3	3	£20 0 0	
XXXVII.	1865	Horsliehill Scott.	2	2	34 10 0	Do.
XXXVIII.	1867	Miss Hannah Harrison, of Lasswade.	1	2	25 18 6	Do.
XXXIX.	1867	Rev. John Spence.	5	2	1st Year 30 0 0	Governors of the Spence Bursary Trust.
			1	1	2nd Year 40 0 0 3rd Year. 50 0 0	
XL.	1869	James Simson.	1	3	About 18 0 0	Min. & Kirk-Session of Dunbar.
XLI.	1869	Edin. Border Counties Association.	1	4	30 0 0	Edinburgh Border Counties Assoc.
	1872		1	4	20 0 0	
XLII.	1869	Argyllshire, Bute, and Western Isles Asso.	1	3	About 20 0 0	Argyllshire Association.
XLIII.	1870	Stewart of Ardvorlich.	1	4	15 12 10	Proprietor of the Estate of Ardvorlich.
XLIV.	1870	David Cowan.	1	2	About 30 0 0	Governors of Ayr Educational Trust.
XLV.	1871	J. Robertson Sibbald.	5	3	20 0 0	
XLVI.	1872	Angus Club.	1	4	30 0 0	Tr. of Dr J.R. Sibbald.
			1	4	25 0 0	
XLVII.	1873	Earl of Zetland.	1	3	About 40 0 0	Trustees of Earl of Zetland.
XLVIII.	1873	The Grierson Trus.	4	4	20 0 0	Senatus Acad.
XLIX.	1874	Upper Ward of Lanarkshire.	1	4	26 0 0	
			2	4	20 0 0	Upper Ward Assoc.
L.	1874	Johnstone of Hart-hope.	1	4	15 17 6	Senatus Acad.
LI.	1874	James Lambert.	1	4	About 40 0 0	Senatus Acad.
LII.	1875	Robert Marshall.	1	4	31 15 6	Senatus Acad.
LIII.	1876	J. Fotheringham of Heathpool.	2	4	20 10 4	Senatus Acad.
LIV.	1877	Earl of Zetland.	1	3	40 0 0	Trustees.
LV.	1878	Jas. Gillan, Forres.	3	3	21 0 0	Mr Gillan's Trustees.
LVI.	1878	Dr Andrew Thomson	4	4	25 0 0	Trus. of Dr Thomson.
LVII.	1880	Rev. John Patterson.	1	2	About 15 13 4	Senatus Academicus.
LVIII.	1881	Thomas Carlyle.	8	4	20 0 0	Senatus Acad.
LIX.	1883	Subscribers to Mac-kinnon Testimonial	3	3	20 2 6	Senatus Acad.
LX.	1882	James Whitelaw.	3	3	23 4 6	Senatus Acad.
LXI.	1883	William Renton, Edinburgh	1	1	19 11 0	Profs. Chrystal, Tait, Crum Brown, and Nicholson.
LXII.	1883	Isabella Macdougall.	4	3	About 20 0 0	Trustees.

¹ See Conditions, page 187.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
LXIII.	1886	Rob. P. Newton of Castlandhill.	4	2	£22 18 8	Senatus Academicus.
LXIV.	1886	Pet. C. Mann of Nairn and Durham.	3	3	29 6 6 About	Senatus Academicus.
LXV.	1886	Richd. Allan, Feuar, Kelso.	3	3	30 0 0	Trustees of R. Allan.
LXVI.	1887	Mrs Kidd of Aigbarth (Fairbairn).	1	4	33 4 6 About	Senatus Academicus.
LXVII.	1887	Charles Jardine of Thorlieshope.	8	4	34 4 2 About	Senatus Academicus.
LXVIII.	1887	Charles Howatson, Esq. of Dornel and Glenbuck.	1	3	26 7 10 About	Trustees.
LXIX.	1888	Mrs H. E. Morrison (Mackenzie).	1	4	26 7 10 About	Senatus Academicus.
LXX.	1889	Daniel MacLaurin, London.	1	4	76 10 4	Town Council.
LXXI.	1889	James Simson, Edinburgh.	6	3	25 0 0	Presbytery of Edinburgh.
LXXII.	1890	George Cousin.	1	3	27 7 0	Senatus Academicus.
LXXIII.	1890	Rev. Thomas Maule.	4	6	21 2 0	Principal, and Profs. of Humanity & Greek.
LXXIV.	1891	Donald Fraser, M.D., London, and Endowment Association.	1	1	49 17 2	Senatus Academicus.
LXXV.	1897	Misses Baxter of Balgavies.	2	3	30 0 0 About	Senatus Academicus.
LXXVI.		James Stewart, Duart.	1	3	35 0 0	Kirk-Sess. of Callander and Trossachs.
LXXVII.	1901	United Free Church.	3	0	30 0 0	United Free Church.
LXXVIII.	1903	London Inverness-shire Association.	1	3	18 0 0	Inverness-shire Association.
LXXIX.	1903	Miss Martha Brown, Lanfine.	2	6	35 0 0	Senatus Academicus.

CONDITIONS OF TENURE.

I. These *Heriot Bursaries* are for Students unconnected with George Heriot's School, entering upon a regular Curriculum in Arts or Science with a view to graduation. *Bursars*—1904, *John D. Watson, Matthew R. Drennan, Francis F. Foster, Erskine D. Williamson, James Lowe, Adam W. Moodie.*

Heriot Bursaries for Women.—These Bursaries are for Women Matriculating for the first time at the University with a view to graduation in Arts or Science, and cannot be held along with any other Bursary or Scholarship, without the express sanction of the Patrons. *Bursars*—1904, *Mary Shirlaw, Jeannie S. Templeton, Catherine A. Cameron, Jessie Sprunt, Jean S. Beattie, Isabella T. Rae.*

George Heriot's School University Bursaries.—These are awarded by competitive examination among Scholars attending George Heriot's School, and may be held at any University approved by the Governors. *Bursars*—1904, *Francis W. Thomson, William M'Lintock, John A. Hardie, Thomas A. Stewart, J. A. Sinclair.*

¹ See Conditions, page 192.

Heriot High School University Bursaries.—These are awarded by competitive examination among Scholars attending the High School, Edinburgh, and may be held at any University approved by the Governors. *Bursars*—1903, *Walter H. Stevenson, Alexander M. Crawford, Kenneth J. M'Iver*; 1904, *Archibald J. Cunningham, William C. Dundas, John R. D. Smith.*

II. *A. Johnston Bursary.*—Each Bursar is entitled to hold this Bursary for four years, subject to the conditions that he shall pass Preliminary examination in Arts, attend the Classes in the Arts Curriculum, and pass the Examinations for M.A. appropriate to each year. No one is permitted to hold the Bursary along with any other Bursary in the University. Agents, Messrs Fletcher & Baillie, W.S., Edinburgh. *Bursar*—1902, *James A. Ewing.*

III. *Trotter and Penman Bursary.*—This Bursary is held under the same conditions as No. II. *Bursar*—*Barclay B. Murdoch.*

IV. *Wight, M'Call, and Christie Bursary.*—This Bursary is held under the same conditions as No. II.

V. and VI. *R. Johnstone Bursaries.*—By Ordinance No. 82, the holder of each of the four Robert Johnstone Bursaries is entitled to hold his Bursary for four years, subject to the condition that he shall pass the Preliminary Examination or its equivalent, and shall proceed through the Curriculum in Arts, and regularly pass the Examinations required for the degree of M.A. No person is allowed to hold any of these Bursaries along with any other Bursary in the University. Agents, Messrs Hope, Todd & Kirk, W.S., 19 Charlotte Square, Edinburgh, agents for the Patron. *Bursars*—1902, *John Johnston, David Marshall*; 1904, *David Reid.*

VII. *Weir, Jenkins, Hepburn, and Lightbody Bursary.*—For a Student in Arts, who must pass the Preliminary Examination or its equivalent, and follow the Curriculum for the Degree of M.A. *Bursar*—1903, *W. C. Palm.*

VIII. The *Dalgliesh and Macmorran Bursar* must pass the Preliminary Examination or its equivalent, and proceed through the Curriculum in Arts in the University, and regularly pass the Examinations required for the Degree of M.A. *Bursar*—1902, *Andrew Young.*

IX. *Penman Bursary.*—The Bursar must attend the Classes in the Arts Curriculum. *Bursar*—1902, *John C. MacCallum.*

X. Each *Ford Bursar* is entitled to hold his Bursary for four years, subject to the condition that he shall pass the Preliminary Examination or its equivalent, and shall proceed through the Curriculum in Arts, and regularly pass the Examinations required for the Degree of M.A. No person is permitted to hold any of the Bursaries along with any other Bursary in the University. *Bursar*—1903, *William M'Laren.*

XI. The *Sir A. Ramsay Bursar* holds his Bursary for four years, subject to the condition that he shall pass the Preliminary Examination or its equivalent, and shall proceed through the Curriculum in Arts, and regularly pass the Examinations required for the degree of M.A. No person is permitted to hold either of the Bursaries along with any other Bursary, Fellowship, or Scholarship of any Scottish University. *Bursar*—1902, *Alexander Doull.*

XII. The *Chrystie Bursary* is held for four years. Candidates must pass the Preliminary Examination or its equivalent. The Bursar is taken bound to attend "the usual classes," and must produce yearly to the Faculty certificates from the respective Professors of his due attendance, and the diligent prosecution of his studies. Candidates are referred for information to the Clerk to the Faculty of Advocates, Advocates' Library. *Bursar—1903, Aubrey G. Brown.*

XIII. The *Bryson Bursars* must pass the Preliminary Examination or its equivalent, and are first to enter the Humanity class: afterwards to pass through the rest of the classes in Arts until their Laureation; at which time, if judged by the ministers of the Presbytery of Dunbar fit for the study of Theology, they may continue for two years in Theology.

XIV. The *Pringle and Wardrop Bursary*.—The Bursar must pass the Preliminary Examination or its equivalent, and attend the classes in the Curriculum in Arts for M.A. *Bursar—1902, James Oag.*

XV. The *Brown Bursaries* are payable to Bursars who must pass the Preliminary Examination or its equivalent, and attend the regular course of study in Arts for M.A. *Bursar—1903, Robert Govan.*

XVI. The *Mitchell and Shortt Bursary* is payable to a Student who must pass the Preliminary Examination or its equivalent, during the regular course in the Faculty of Arts. David Campbell, S.S.C., 31 Moray Place, Agent for the Earl of Morton. *Bursar—John Robertson.*

XVII. *Dundas Bursaries*.—By Ordinance No. 78 of the Universities' Commissioners, each person presented to either of the Dundas Bursaries is entitled to hold the same for four years as a Student of Arts, subject to the conditions that he shall pass the Preliminary Examination or its equivalent, and proceed through the Curriculum in Arts, and shall regularly pass the Examinations required for M.A. These Bursaries cannot be held with any other Bursary in the University. *Bursar—Thomas Crockett.*

XVIII. The *Fraser Bursaries*.—Bursars must pass the Preliminary Examination or its equivalent, and proceed through the curriculum till they finish their course and take the Degree in the Faculty of Arts. The Bursaries are held for three years thereafter; the Bursars making their election whether to follow Divinity, Law, or Medicine. Two Classes at least must be attended each Winter Session. Candidates should apply to the City Clerk, Council Chambers, Edinburgh. *Bursar—1902, J. K. Wylie; 1904, William J. Thomas.*

XIX. The conditions of the *Hume Mortification* correspond with those of Bryson's, No. XIII., and the presentations and payments are made as in that case.

XX. *Millar Bursary*.—To be held by a Student intended for the Ministry in the Church of Scotland, during his Curriculum in the Faculty of Arts. Bursar must pass the Preliminary Examination or its equivalent. *Bursar—James F. Alexander.*

XXI. The *Grant Mortification*.—Tenable in the Faculties of Arts, Science, Divinity, Law, or Medicine. Applications for information may be made to Messrs Mackenzie, Innes, & Logan, W.S., 23 Queen Street, Edinburgh, before 7th September.

XXII. *Stuart Bursaries*.—Open to Students entering upon the second year of their course for graduation in Arts or in Pure Science. The said Bursaries shall be tenable for three years, provided that if the holders graduate at the end of their second year of tenure they shall only retain their Bursaries during the third year of tenure if they engage in a course of study approved by the Senatus Academicus in subjects included in the Curriculum for Degrees in Arts or in Pure Science. *Bursars*—1904, *Thomas G. Rutherford*; 1905, *J. M. Thomson*.

XXIII. *Menzies*.—These Bursaries, four in number, were founded in 1837 by James Menzies, Esq., Glasgow. They are of the annual value of £45 each, but vary in amount at discretion of the patrons, and tenable for four years, in any one of the Universities of St Andrews, Glasgow, or Edinburgh. Preference first to the relations of the Founder; next, to the name of Menzies; failing whom, to persons born on the estate of Sir Robert Menzies, Bart., within the parishes of Dull, Weem, and Fortingall; failing whom, any Student who shall be found best qualified may be appointed. Candidates must pass the Preliminary Examination.

XXIV. *The Dow Bursaries* are tenable for four years, “at any of the Scottish Universities, St Andrews in preference.” Apply to the Patrons.

XXV. The *Blair Bursar* must pass the Preliminary Examination, attend the Classes, and pass the Examinations necessary for the Degree of M.A. *Bursar*—1905, *D. H. Jones*.

XXVI. The *Farnieson Bursary* is for the benefit of the sons of schoolmasters, farmers, mechanics, and labourers, born and residing within any one of the following parishes—viz., Crawfordjohn, Crawford, united parishes of Lamington and Wandell, united parishes of Wiston and Robertson, Culter and Biggar. The Bursar must pass the Preliminary Examination or its equivalent. He may attend Classes in any of the Faculties. *Bursar*—1903, *Oliver S. Rankin*.

XXVII. Called the “*Jardine Bursary*,” being founded by Mr Bidder, C.E., as a memorial of the munificence of Sir Henry Jardine to him, to which he owed the advantage of his education at the University of Edinburgh. Candidates must be natives of Scotland. The recipient must be “of good character, of promising talent, and of known diligence,” and must show “that he really requires aid, to enable him with ease to obtain a proper University education.” He must pass the Preliminary Examination or its equivalent, and attend the Classes, and pass the Examinations necessary for the Degree in Arts. *Bursar*—1904, *Thomas Steele*.

XXVIII. *Lennie Bursaries*.—Bursars must pass the Preliminary Examination or its equivalent, and attend the Classes in the Arts Curriculum. Candidates should apply to the City Clerk, Council Chambers, Edinburgh. *Bursars*—1902, *G. K. Drimmie*; 1903, *John Thomson*, *George D. Simpson*, *John M. Amess*.

XXIX. *Bruce Bursaries*.—Prior to the commencement of each Winter Session, five Students are presented yearly, the most distinguished of the five receiving the £40 Bursary. The Bursars must be in regular attendance on the Classes necessary for the Degree of Master of Arts. Candidates to apply to the City Clerk, Council Chambers. *Bursars*—1903, 1st, *Alister J. Stewart*, 2nd, *John Ewing*; 1904, *William S. Baxter*.

XXX. The *M'Diarmid Bursary* is a memorial of the late John M'Diarmid, Esq., Editor of the *Dumfries and Galloway Courier*. Candidates must be natives of the county of Dumfries or the stewartry of Kirkcudbright. The Bursar must pass the Preliminary Examination and attend the Classes and Examinations necessary for the Degree of Master of Arts. Applications regarding the Bursary to be made to "H. Gordon, Esq., Dumfries." *Bursar*—

XXXI. The *Patrick Bursaries* are for the assistance of those who have completed a course of education at any of the public schools or academies in the county of Ayr, where a course of Classical Study is pursued. The rectors or head teachers of each of said schools or academies may grant a certificate or letter to any number, not exceeding four, of the best scholars who have completed their course of education at such school or academy, and are in a position to enable them to apply for admission to the University; and the parties holding such letters or certificates are entitled to present themselves for examination as candidates for the Bursaries. Failing qualified candidates, the Senatus may award by open competition. The Bursars must attend the Classes and pass the Examinations necessary for the Degree in Arts, in the order required by the Faculty. See p. 197 of CALENDAR for 1865-66. *Bursars*—1901, *John C. Turner*; 1902, *John Davidson*; 1904, *William Maybin*.

XXXII. *Ayrshire Club Bursaries*.—Restricted to natives of Ayrshire, men or women, and tenable for two years. Apply to the Secretary of the Club, George Hart, Esq., Advocate, 53 Castle Street, Edinburgh. *Bursar*—

XXXIII. *Peeblesshire Society Bursary*.—Open to Candidates of either sex who intend to pursue the Curriculum in Arts, Science or Medicine. Apply to the Secretary of the Society, P. H. Cosens, Esq., W.S., 26 Frederick Street, Edinburgh.

XXXIV. and XXXV. *Caithness and Rhind Bursaries*.—Bursars must attend Classes in Arts Curriculum. Apply to Secretary of the Association, Mr A. Laing, S.S.C., 41 Charlotte Square, Edinburgh.

XXXVI. *Bruce of Grangehill and Falkland's Bursaries*.—Three of these Bursaries, of the annual value of £35, are awarded after competitive examination to Students of the *second* year in their course of study for a Degree in Arts. *Bursars*—1904, *Alexander C. Stewart*; 1905, *Sydney C. Miller*.

XXXVII. *Horsliehill-Scott Bursaries*.—Annual value £34, 10s., under deduction of £6, 6s. for Examiners' fees from first year's payments. Open to Students in the *third* year of their course for a Degree in Arts, and tenable for two years. The examination is in Classics, Mathematics, and Logic and Metaphysics. Deed of Foundation, at p. 208 of CALENDAR for 1866-67. *Bursars*—1904, *George Ewan*; 1905, *T. G. Rutherford*.

XXXVIII. The *Harrison Bursary* is of the annual value of £25, 18s. 6d., under deduction of £6, 6s. of Examiners' fees from first year's payments. Open to Students in the *third* year of their course in the Faculty of Arts, with a view to a degree, and tenable for two years. It is to be awarded to the competitor who shall show the greatest proficiency in Classics, Mathematics, and Logic and Metaphysics. See Deed of Endowment, p. 231 of CALENDAR for 1867-68. *Bursar*—1905, *E. E. Enever Todd*.

XXXIX. *Spence Bursaries*.—By the regulations of the Governors, two Bursaries, each of the annual value of £30 for the first year and £40 for second year of tenure, are open to Students of either sex who, after passing the preliminary examination, or such other examination as may from time to time be accepted by the Joint Board of Examiners as equivalent thereto, have attended one Winter Session or its equivalent in the Faculty of Arts in the University of Edinburgh, and have attended at least two classes qualifying for Graduation, and who intend to complete the course of study for the degree of Master of Arts at the University. The Governors may award to any Bursar, if they are satisfied of his or her merit, a continuation Bursary of an annual value of £50, tenable for one year, on condition that the Bursar shall for that year attend such a curriculum of study in any of the Faculties as the Governors may approve. Subjects of Examination are Latin, Greek, and Mathematics. Candidates apply to Mr Henry A. Pattullo, Solicitor, 1 Bank Street, Dundee, Factor to the Trust, for particulars.

XL. *The Simson Bursary*, of the annual value of about £18. The Bursar must be a native of Dunbar, attending College in the prospect of becoming a minister of the Established Church of Scotland, or as a missionary going abroad. It may be continued for a period not exceeding three years. Candidates to apply to the Session Clerk, Dunbar Parish Church.

XLI. *Border Counties and Sir Walter Scott Bursaries*.—These Bursaries are for students entering upon the regular curriculum in Arts, Science, or Medicine with a view to graduation. They are open to competition by Scholars of both sexes who have attended a school in any of the Counties of Roxburgh, Berwick, or Selkirk, or the Burgh of Berwick-on-Tweed, for two complete sessions immediately prior to the time of their examination for the Bursaries. Applications to be made before 1st September to W. Young Kinleyside, Esq., Solicitor, 7 George Street, Edinburgh. *Bursar*—1904, *Margaret S. W. Boyd*.

XLII. *Argyllshire Bursary*.—Candidates (male or female) must be natives of Argyllshire, Bute, or Western Islands. Subjects of Examination: English, Latin, Mathematics, and any one of the following:—French, German, Greek, Gaelic, with additional papers and full marks in each subject taken. The holder must attend the classes necessary for a Degree in Arts. Application to be made to George A. Munro, Esq., S.S.C., 6 Rutland Square, Edinburgh.

XLIII. *Ardvorlich Bursary*.—Open to Students of Arts, natives of the parishes of Comrie, Balquhiddier, Callander, or Killin, failing whom, to natives of Perthshire, and failing such, to the best qualified candidate. Candidates must show that they require aid in obtaining a University education. Latin, Greek, French, and German to have equal marks for Bursary. The holder must pass the Preliminary Examination or its equivalent. He will also be examined in Preliminary Gaelic, and must attend Arts or Science classes. The Bursary cannot be held with any other Bursary exceeding £25 annually. For remodelled Foundation, see CALENDAR 1887-88, p. 501; for original deed, see p. 275 of CALENDAR for 1870-71. *Bursar*—1902, *Alexander Maclean*.

XLIV. *Cowan Bursary*.—Candidates must be about to enter the Curriculum in Arts. Annual value for first two years £30, and £20 for third year, to be held alternately at Edinburgh and Glasgow Universities. Information will be afforded by John Douglas, Esq., Ayr Educational Trust, Ayr. *Bursar*—1902, *C. A. Pignold*.

XLV. *Sibbald Bursaries*.—The Bursaries are available to Students in the Faculties of Arts, Medicine, Law, or Divinity, and are open to Students entering the University who have not previously attended any University in the United Kingdom or elsewhere, and who do not hold any other Bursary or Scholarship; but there will be no objection to a Candidate that he has, during the previous Summer Session, attended any of the Classes in the University of Edinburgh required by the Faculties of Medicine or Law. See CALENDAR for 1888-89, pp. 171 and 177. Application to be made to Messrs Mackenzie, Innes, & Logan, W.S., 23 Queen Street, Edinburgh. Bursars—1903, *Alfred J. Gray, Hal D. Mann*; 1904, *Archibald B. Maclean*.

XLVI. *The Edinburgh Angus Club Dalhousie Bursary*, of £25 a year, and tenable for four years, is open to candidates of either sex entering the University of Edinburgh for the first time with a view to graduating in Arts. Preference will be given to natives of the county who have been educated at a school or schools within the county, whom failing, to candidates (a) who are natives of the county; (b) both of whose parents are natives of the county; and (c) who have received the greater part of their education in a school or schools in the county. The subjects are as for first year University Bursaries with 100 marks in each of English, Latin, Greek, Mathematics, French, and German, Dynamics 50. For further particulars apply to George F. Mathers, W.S., 47 Frederick Street, Edinburgh. Bursar—1904, *Mary K. Mills*.

XLVII. *Orkney and Zetland Bursary*.—Open to first year Students (male or female), natives of the Islands or County of Orkney and Zetland, or children of parents one or both of whom shall have been born in or connected for a long period of years with the said Islands or County. It is tenable for three years. The subjects of Examination are the same as for University First Year Bursaries. The Bursar must attend the Classes in the Curriculum in Arts, with a view to a Degree. Applications to be sent to Messrs Dundas & Wilson, C.S., 16 St Andrew Square, Edinburgh. The Deed of Foundation will be found in CALENDAR for 1873-74, p. 329. 1904, *W. C. Flett*.

XLVIII. *Grierson Bursaries*.—Four Bursaries of £20 each, and one of £24, awarded annually in October. They are restricted in the first place to natives of either of the parishes of Crawford or Leadhills. The subjects of Examination are Elementary Latin, English and Arithmetic. In the event of more than one preferential Candidate, the examination is competitive. In the event of there being no preferential Candidates, the Bursaries will be thrown open for competition to all Students then intending to enrol in the University for the First Session of the Curriculum in Arts, the subjects of examination being as for open Bursaries of the First Year. See Trust Disposition of Founder at p. 335 of CALENDAR for 1873-74, and p. 368 of the CALENDAR for 1877-78. Bursars—1901, *Duncan R. Matheson, R. L. Stewart*, lapsed Bursary for two years; 1902, *John C. Cunningham*; 1903, *Alexander C. Stewart, Neil A. Maclean*; 1904, *Angus Cameron* (Pref. Cand.).

XLIX. *Lanarkshire* (Upper Ward of) *Bursaries*.—Bursars must attend the Classes in the Arts Curriculum. For further particulars apply to Alan Menzies, W.S., 123 George Street, Edinburgh.

L. *Johnstone of Harthope Bursary*. Natives of Moffat, Peebles, and Students of the name of Alexander or Johnstone preferred, if applications (with proof of birth) be made to Secretary of Senatus before 1st of September. The successful candidate must attend the Classes in the Faculty of Arts, and take the Degree of M.A. See Deed of Foundation, at p. 350 of CALENDAR for 1875-76. *Bursar*—1903, *Thomas Brydone*.

LI. *Lambert Bursary*.—This Bursary cannot be instituted until after the death of an annuitant. See Deed of Foundation, at p. 342 of CALENDAR for 1875-76.

LII. *Marshall Bursary*.—Restricted in the first place to relatives of Founder, in second place to Students of the name of Marshall, and in third place to natives of West Lothian. See Deed of Foundation, at p. 347 of CALENDAR for 1876-77. *Bursar*—1904, *James Marshall*.

LIII. *Fotheringham and Forrest Bursaries*. Restricted in the first place to relatives of the Founder, in the second to such as are of the name of Fotheringham, and in the third place to such as are of the name of Forrest, and failing all these to be awarded as an open Bursary. The successful candidate must attend the Classes in the Faculty of Arts, and take the Degree of M.A. *Bursars*—1904, *Sidney C. Miller*; 1905, *J. Y. Campbell*.

LIV. *Marquess of Zetland's Bursaries*.—These Bursaries are open to First Year Students (male or female) in the Faculty of Arts, who are natives of the Islands or County of Orkney and Zetland, or children of parents, one or both of whom shall have been born in or connected for a long period of years with the said Islands or County. Candidates must either have been wholly educated in the Islands, or at least they must not have received any education elsewhere within four years. The subjects of examination are the same as for University First Year Bursaries. For Deed of Foundation of these Bursaries, see p. 373 of CALENDAR for 1877-78. Application to be made to Messrs Dundas & Wilson, C.S., 16 St Andrew Square, Edinburgh. *Bursar*—1903, *James A. Donaldson*.

LV. *Gillan Bursaries*.—Founded in 1878 by James Gillan, draper, Forres. These Bursaries are for the support at the University, and at the New College, Edinburgh, of two young men connected with the parish of Forres, and one connected with Dyke, who have declared their intention to study for the ministry of the U.F. Church of Scotland. For particulars apply to Messrs R. & R. Urquhart, Solicitors, Forres.

LVI. *Thomson Bursaries*.—Candidates of the name of Thomson or Traquair, or natives of town or county of Dumfries or city of Edinburgh, preferred. See Deed of Foundation, p. 367 of CALENDAR, 1877-78, and Scheme of Allocation, p. 346 of CALENDAR, 1879-80. Applications to be made to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street. *Bursar*—1903, *James W. Cameron*; 1904, *David Kennedy-Fraser*.

LVII. *Patterson Bursary, in Anglo-Saxon, Grammar, and Literature*.—Open to Students in the second, third, or fourth year of their Matriculation who have attended the class of English Literature. The holder must produce a Certificate of Attendance on the Honours Course in English Language in the first Session after his appointment. The Examination will include Anglo-Saxon, Grammar, Translations of passages of Anglo-Saxon prose and verse, and the History of

Anglo-Saxon Literature. See Deed of Foundation at p. 379 of CALENDAR for 1880-81. *Bursar*—1905, *Norman Macleod*.

LVIII. *John Welsh Bursaries*, founded by Thomas Carlyle in 1881, in memory of his Father-in-law, to whom the estate of Craigenputtock in Dumfriesshire, bequeathed by Mr Carlyle to the University of Edinburgh, formerly belonged. The Bursaries are paid from the rents of that estate, and are eight in number, of the value of about £20 each, tenable for four years. They are awarded, after competition, to Students entering the University, who have not studied in any other University. Four are to be given to the competitors most proficient in Mathematics, and four to those most proficient in Classics. They are not to be held with any other Bursary. See Deed of Foundation at p. 379 of CALENDAR for 1881-82. *Bursars*—(Classical)—1902, *Lewis J. B. Turner*; 1903, *Hugh Stewart*; 1904, *William A. Paterson*, *William Craig*, *George W. Dalgleish*. (Mathematical)—1901, *John W. Nelson*; 1902, *Duncan MacOwan*; 1903, *Robert Wilson*; 1904, *Francis R. Muir*, *H. D. S. Law*, for one year.

LIX. *Mackinnon Bursaries*.—Three Bursaries about £20, 6s. 2d., tenable for three years, to encourage the study of the Mechanical Sciences. Each Bursary is open for competition to Students entering their First Session in the Faculty of Arts. Candidates must be natives of the counties of Argyll, Bute and Arran, Inverness, Ross or Sutherland, and must be able to speak the Gaelic language. The Examination is held at the annual competition for Bursaries at the beginning of each Session, with an additional examination in Gaelic by the Professor of Celtic; at least 10 per cent. of the total marks attainable being assigned to Gaelic. Each Bursar is bound to attend at least two classes in the Faculty of Arts during his tenure, and among these six classes, at least one class of Mathematics, one of Natural Philosophy, and the class of Engineering. The Bursaries cannot be held along with any other Bursary, Scholarship, or Fellowship in a Scottish University, or with any office yielding an annual income of £50 or upwards, and is tenable only during good behaviour and proficiency. *Bursars*—1902, *Donald J. Mackenzie*; 1903, *Hugh McDonald*; 1904, *R. M. Maclean*.

LX. *Whitelaw Bursaries*.—In memory of James Whitelaw, Watchmaker. Three Bursaries, about £23, 4s. each, tenable for three years, open to Students about to enter, or who follow the Curriculum in Arts. Cannot be held along with any other Bursary, Scholarship, or Fellowship in a Scottish University, or with any office yielding £50 annually, or upwards. Examination in October annually. *Bursars*—1900, *F. N. Philip*; 1902, *Wm. L. Fraser*, for one year; 1904, *George T. Thomson*, *Martin C. Comrie*, *Henry C. Cunningham*.

LXI. The *Renton Bursary*, founded by the Trustees of the late William Renton, 20 Royal Terrace, Edinburgh, is not restricted to Students of the first year. The holder must attend one or more of the classes of Natural Philosophy, Mathematics, Chemistry, or Political Economy. Pecuniary circumstances will be taken into consideration. It cannot be held by anyone under the age of sixteen or above twenty-one, or with another Bursary of the annual value of £30 or upwards. The examination is in English and Mathematics, as for the First Year Open Bursaries. *Bursar*—1905, *Robert Wilson*.

LXII. The *Macdougall Bursaries* are open to Students of Edinburgh,

Glasgow, and St Andrews Universities. Students attending the Gaelic Class to be preferred. The Bursaries cannot be held with any Bursary or appointment yielding upwards of £50 per annum. See Deed of Foundation at p. 435 of CALENDAR, 1885-86. Application may be made to Mr W. C. Young, solicitor, Perth.

LXIII. *Newton Bursaries*.—Two are awarded annually, one to the most distinguished Student in the Junior Class of Natural Philosophy, and one in the Senior (Second) Class of Mathematics. The Bursaries are tenable for two years, and the Bursars must continue their studies in the higher branches of the subjects of their Bursaries, and at the end of the second year of tenure, either take Honours in Mathematics and Natural Philosophy, pass the 2nd B.Sc. Examination, or give other evidence of advanced study in Mathematics or Natural Philosophy. These Bursaries are not to be held with other Scholarships or Bursaries. See Deed of Foundation, p. 460 of CALENDAR, 1886-87. *Bursars*—1905, *F. B. W. Thomson* (Math.); *W. M'Laren* (Nat. Phil.); 1906, *Ralph G. Baird* (Nat. Phil.); *Archibald W. Bain* (Math.).

LXIV. *Mann Bursaries*.—(1) Candidates must be children of residents in the town of Nairn, *i.e.*, one or both parents must have resided within the municipal boundaries for at least twelve months at any period prior to the competition. (2) Applications must be lodged with the Clerk of Senatus, along with evidence of compliance with Rule I. (3) One will be awarded annually to the candidate, matriculating for the first time in this University, who obtains the highest marks at the Entrance Bursary Examination in English, Latin, Greek, and Mathematics, provided the Examiners be satisfied with the standard he has attained. (4) Each will be tenable for three years, value about £29, 6s. 6d. per annum. (5) Failing candidates of the first year, the vacant Bursary will be awarded as a second year Bursary to the candidate who obtains the highest marks in the Bursary Examination for the second year; and, failing candidates of the first and second years, it will similarly be awarded as a third year Bursary. When awarded under this Rule it is tenable for one year only. (6) Failing candidates qualified under Rule III. or Rule V., the Senatus may continue one of the Bursaries to its holder for a fourth year, provided he propose to continue his studies for a fourth year in some special subject. (7) Each Bursar must be *bona fide* engaged in studying for a Degree in Arts or in Science, and must produce evidence at the end of each Winter Session that he has attended at least two classes in the Faculty of Arts, or in a Department of Science, and has made reasonable progress in his studies. (8) Any breach of these regulations, or conduct unworthy of a scholar and a gentleman, will be punished by forfeiture of the Bursary. See Deed of Foundation, p. 497 of CALENDAR, 1887-88, and Regulations at p. 544 of CALENDAR for 1890-91. *Bursars*—1902, *James A. Roy*, *John Alexander*, for one year; 1903, *John S. Jamieson*; 1904, *A. D. Mackenzie*.

LXV. *Allan Bursaries*.—These Bursaries are available to Students attending classes in any of the Faculties of Arts, Medicine, or Law, in the University of Edinburgh, or to Students attending the classes in said University necessary for Degrees in Science; and are tenable for three years or for such part of that period as the Bursar shall remain a Student at the University. In nominating Candidates for presentation to the Bursaries, care will be given to

prefer such as have been born in the parish of Kelso, provided they are qualified by their previous education for entering the University. Applications to be lodged with Messrs S. & J. Stormonth Darling, writers, Kelso, in May annually. Bursary awarded in June.

LXVI. *James Fairbairn Bursary*, founded by Mrs Kidd of Palmyra, Aigbarth, near Liverpool, in memory of James Fairbairn, late Governor of Heriot's Hospital, is open to competition to first year Students, and is tenable for four years. The Bursar is required to attend the Classes necessary for Graduation in Arts, and to take the Degree at the end of the Course. The Bursary cannot be held along with any other Bursary or Scholarship. See Deed of Foundation, p. 501 of CALENDAR, 1887-88. *Bursar*—1904, *Robert B. Steele*.

LXVII. *Jardine of Thorlieshope Bursaries*.—Open only to natives of the rural districts of Roxburghshire and Dumfriesshire (villages and towns of the population of 2000 and upwards being excluded), who have attended the Public or Board Schools in said counties. In the event of there being no first year Candidates, the Bursaries will be thrown open to Candidates of the second, third, or fourth year in succession, but will be tenable for one year only. The Bursars are required to attend the Classes necessary for Graduation in Arts, and to take the Degree at the end of the Course. The Bursaries cannot be held along with any other Bursary or Scholarship. See Deed of Foundation, p. 497 of CALENDAR, 1887-88. *Bursars*—1901, *Gilbert Carmichael*, *George Laidlaw*, *James S. Little*; 1903, *Andrew M. Carmichael*; 1904, *William Brown*, *Joseph A. Rae*.

LXVIII. *The Glenbuck Bursary* may be held by a Student in any of the four Scotch Universities—preferably that of Glasgow or of Edinburgh. Candidates only are eligible who have resided not less than five years in the Parish of Muirkirk, and who have received part of their education at any school therein, or alternatively and postponed thereto, those who have been resident in any one of the Parishes of South Ayrshire for not less than five years, and who have received part of their education in any school in the same Parish. For further particulars, apply to Mr R. A. Leslie, Inspector, Muirkirk.

LXIX. *MacKenzie (Stornoway) Bursary*.—Candidates of the name of MacKenzie have a preference. The Examination is the same as for First Session Open Bursaries, and the Bursary will be awarded to the Candidate who stands highest, provided he has passed the Preliminary Examination in at least two subjects, one of which must be Latin, Greek, or Mathematics on the Higher Standard. Failing a preferential Candidate, the Bursary will be thrown open to competition as a first year Bursary in Arts. The Bursar is required to attend the Classes necessary for Graduation in Arts, and to take the Degree at the end of the course. For Regulations, see CALENDAR for 1895-96, p. 748. *Bursar*—1904, *Roderick M'Kenzie*.

LXX. *The Maclaurin Bursary*, tenable for four years, is by the will of the founder to be called the "Maclaurin Bursary," and is restricted to Students of the Founder's name of Maclaurin (or in Gaelic orthography "Maclalhrin"). The holder must pass the Preliminary Examination. It may be held in any of the Faculties. See Deed of Foundation, p. 544 of CALENDAR for 1890-91.

LXXI. *The Simson Bursaries* are each of the annual value of £25, and tenable for three years in the Faculty of Arts. They are open to Students who, having passed the Preliminary Examination, are entering on the first year of the Course in Arts, and are studying for the Ministry of the Church of Scotland. For conditions of tenure and subjects of examination, apply to the Rev. George T. Jamieson, D.D., The Manse, Portobello, Clerk to the Presbytery of Edinburgh.

LXXII. *Bailie Cousin's Bursary* is open for competition to Students entering the Faculty of Arts on a regular course for the Degree of M.A. The holder must regularly pass the departmental examinations appropriate to each year. The Bursary cannot be held along with any Fellowship, Scholarship, or Bursary of any Scottish University, or with any situation or appointment yielding an annual income of £30 or upwards. For Deed of Foundation *see* CALENDAR 1891-92, page 536. *Bursar—1903, E. E. Enever Todd.*

LXXIII. *Maule Bursaries*—These Bursaries are for the education of poor and deserving Students. They may be held by Students prosecuting their studies in any of the Faculties. The Examination is the same as for University Open Bursaries. The successful candidate will be required to produce a certificate regarding his circumstances and character from some person of standing to whom he is known. *See* Excerpt from Trust Deed, p. 543 of CALENDAR for 1891-92, and Deed of Foundation, in CALENDAR for 1894-95. *Bursar—1903, Thomas A. Meredith, for two years; 1904, Henry Paterson, George K. Carrie, George Macdonald.*

LXXIV. *The Donald Fraser Bursary* is awarded for high merit in the University Class of Natural Philosophy, combined with proficiency in Laboratory Work. The Bursar is required to give assistance in the University Physical Laboratory, and to engage in research there. The Bursary cannot be held along with any other Fellowship, Scholarship, or Bursary in any Scottish University. *See* Deed of Foundation, p. 545 of CALENDAR for 1891-92. *Bursar—1906, William Watson.*

LXXV. *The Baxter of Balgavies Bursaries* are open both to men and women who have been educated in the High School of Dundee for at least one year immediately preceding the competition. The subjects of Examination, and the values attached to each subject, are the same as for the Open Bursaries in Arts, with the omission of Italian, and the addition of Chemistry (full marks, 50), as a subject of Examination. Candidates may select not more than five subjects, and the successful candidates may study for the Degrees of M.A., B.Sc., B.L., LL.B., or M.B., Ch.B.

The successful candidates must have passed the Preliminary Examination in Arts or Science, or its equivalent. For Regulations, *see* page 429 of CALENDAR for 1897-98. *Bursars—1901, W. J. C. Lawrie; 1903, Edward A. Strachan.*

LXXVI. *The James Stuart Bursary* is tenable by a native of Parishes of Callander or Trossachs studying in any Scottish University with a view to taking the Degree of M.A. *Patrons—The Kirk-Sessions of Callander and Trossachs.*

LXXVII. *The Masterton Memorial Bursary*, of £30 a-year, tenable for three years, for the benefit of sons and daughters of ministers and missionaries of the United Free Church. Candidates, who must have within three previous years

received grants from the society of the church for their benefit, may take the Bursary Examination in five, but not more than five subjects, one of which must be either French or German. The Bursary will not be awarded to any Candidate who has not passed the Preliminary Examination (including either Latin or Greek on the Higher Standard, and either French or German) with a view to Graduation. For further information apply to Mr J. Forbes Moncrieff, C.A., 22 Hill Street, Edinburgh, before 1st September.

LXXVIII. *The London Inverness-shire Association Bursary*, of the value of £18 a year, and tenable for three years, is open, in the first place, to natives of the County of Inverness. The Examination is as for First Year Open Bursaries, with Gaelic (full marks 100) as an additional subject. Failing Preferential Candidates the Bursary may, with the consent of the Patrons, be awarded to the Candidate who stands highest in the Examination, and has at least obtained 50 per cent. of the available marks in Gaelic. Preferential Candidates to apply to Eric Mackay, Esq., Hon. Sec., London Inverness-shire Association, 24 Haldon Road, West Hill, Wandsworth, London, S.W. *Bursar*—1903, *John Cattanaoh*.

LXXIX. *Lanfine Bursaries*.—These Bursaries, each of the value of about £35 a year, and tenable for two years (but not after graduation), will be awarded annually, one in each of two Honours Groups in the following rotation:—1. English. 2. Modern Languages and Literature. 3. History. 4. Economic Science. 5. Classics. 6. Mental Philosophy. 7. Mathematics. Students shall be eligible after the completion of one academic year or their first Winter Session, but not later than the beginning of the fourth academic year from date of first matriculation. Every Candidate must have attended two Classes (Ordinary or Honours) within his Honours Group. These Bursaries shall not be tenable along with any other University Bursary or Scholarship. For further information apply to R. G. Scott, Esq., W.S., 6 Hill Street, Edinburgh. *Bursars*—1906, *J. H. Jagger* (Eng.); *J. A. Donaldson* (Math.).

II.—PRIZES.

See Note under Bursaries, page 180.

I.—THE LORD RECTOR'S PRIZE.

The Lord Rectors since 1879, during their respective tenures of office, have offered a Prize of Twenty-five Guineas annually, for the best Essay on a Historical Subject. The Competition is open to Undergraduates of the University who have Matriculated during the Academic Year 1905-6, and to Graduates of not more than two years' standing. Essays must be lodged with the Secretary of Senatus on or before Thursday, 1st November next. No Essay will be received after that date. Each Essay must be distinguished by a motto and accompanied by a sealed envelope containing the name, address, and University standing of the Candidate.

1905. *James Munro, M.A.*

II.—BRUCE OF GRANGEHILL AND FALKLAND'S PRIZE IN THE CLASSES OF LOGIC AND METAPHYSICS.

This Prize of £20 (with a supplementary Prize of £10 for the Junior Division of the Class) is awarded to the most distinguished student in this class, "on such conditions and competition as the Professor may direct, and on his decision," for excellence in the study of Logic and Metaphysics. It was founded in 1865, by Mrs Tyndall Bruce of Grangehill and Falkland, in commemoration of John Bruce, Professor of Logic and Metaphysics in the University, 1774-1786.

1906. *George Ewan, M.A.*

III.—GRAY PRIZES.

The Gray Prize Essay Fund was instituted in 1851, in terms of the Will of Simon Gray, Esq., of Mornington Crescent, London. For Subject, number and amount of Prizes apply to W. Home Waite, Esq., Duns, Secretary to the Trustees.

IV.—SCOTT AND DUNBAR PRIZE.

This Prize, of the value of about £15, was founded in 1872 by the Rev. Hew Scott, D.D., of Anstruther Wester, for encouraging the study of the Greek Language in the University of Edinburgh. It is awarded annually to "the most deserving and learned student in the Greek Classes," after such Examination as may be directed by the Principal and the Professors of Divinity, Greek, and Humanity. *See* Deed of Foundation at p. 332 of CALENDAR, 1873-74.

1906. *Roderick Mackenzie.*

V.—THE COUSIN PRIZE.

This Prize, founded in connection with the Class of Fine Art by the late David Cousin, Esq., is of the annual value of about £15, 15s., and is awarded at the close of each session for proficiency in Class Essays set from time to time by the Professor. *See* Excerpt from Mr Cousin's will in CALENDAR, 1880-81, p. 380.

1905. *Andrew J. Young.*

VI.—KELLAND MEMORIAL PRIZE.

The Committee for promoting a Memorial to the late Professor Kelland handed over to the University the sum of £147, 10s., for the purpose of founding a Prize to be called the "Kelland Memorial Prize," is awarded annually in October. The Examination is on Higher Geometry. The value of the Prize is about £4, 11s. Students who made a complete attendance on the ordinary Mathematics Class for the first time in the previous Winter Session, or who have completed an ordinary Graduation second half-course in Mathematics, the

first half of which was taken not earlier than the second summer before the date of the Examination, will alone be eligible to compete for the Prize.

1905. *William Brown.*

VII.—GLADSTONE MEMORIAL PRIZE IN HISTORY,
POLITICAL SCIENCE, AND ECONOMICS.

This Prize, of the value of £5 in books, is awarded annually to the student who, in the opinion of the Professors of History, the Professor of Political Economy, and the Professor of Public Law, has obtained the highest distinction within the two preceding years in any two of these subjects. A student to whom the Prize has been awarded will not be re-eligible. Applications, with the necessary Certificates, to be lodged with the Clerk of Senatus not later than 30th March.

1906. *James Munro, M.A.*

VIII.—THE BLACKIE CELTIC PRIZE.

This Prize of about £60, for promoting the study of the Celtic Language and Literature, is open triennially in October to Matriculated Students of the University, and to Graduates of any Scottish University, under the age of 30 and within six years of the date of their graduation. The Examination is in the Gaelic Language and Literature, and if the Examiners think fit also in any other branch of the Celtic language. The Prize will be open in October 1908. *See Regulations at page 828 of CALENDAR for 1900-1901.*

1905. *Malcolm Macleod.*

IX.—ELIZABETH HAMILTON PRIZE.

This Prize of £5 is offered, in alternate years, to the best Woman Student in the Ordinary Classes of Logic and Psychology and Moral Philosophy who desires to study for Honours, provided that her standing be not below that of the First Class Certificate. In 1906-7 the Prize will be open in Logic and Psychology.

1906. *Esther G. Bell.*

III.—SCHOLARSHIPS.

NOTE—*From the sums given below Income Tax will be deducted, which may be recovered by the Scholars; and in some cases a deduction will be made for the expenses of administration. The accuracy of the figures is not guaranteed.*

I.—PITT CLUB CLASSICAL SCHOLARSHIP.

The Pitt Club Scholarship of the annual value of about £66, tenable for four years, is open for competition to all Graduates in Arts of

the University, of not more than four years' standing when the competition takes place. The subjects embraced in the examination are CLASSICS and ENGLISH LITERATURE. The next competition may take place in April 1910.

1906. *Gilbert Watson, M.A.* (for two years).

Prox. access., J. C. Stewart, M.A.

II.—MACKENZIE CLASSICAL SCHOLARSHIP.

This Scholarship was founded in 1862, by James Mackenzie, Esq., W.S. It is of the annual value of about £110, tenable for four years, and the award carries with it free admission to the Edinburgh Philosophical Institution during the years of tenure. By ordinance No. 90 of the Scottish Universities' Commissioners of 1858, it is open for competition to all Graduates in Arts in the University of Edinburgh of not more than three years' standing at the time of the competition. Candidates are examined in CLASSICAL LITERATURE and in ENGLISH LITERATURE, and the Examination is conducted by three or more Examiners selected by the Senatus from their own body. It cannot be held along with any other Scholarship, Fellowship, or Bursary, of any Scottish University. The Examinations include—1. Translations from Latin and Greek authors; 2. Composition in Latin and Greek Prose; 3. Latin and Greek Literature, and History; 4. English Essay-Writing; 5. History of English Literature. The next competition may take place in April 1909.

1905. *George Robertson, M.A.*

III.—SIR DAVID BAXTER MATHEMATICAL SCHOLARSHIP.

This Scholarship, founded by Sir David Baxter, Bart., of Kilmaron, is of the annual value of about £66, and is tenable for four years. By the terms of the Deed of Foundation (given in the CALENDAR for 1864-65, p. 171) it is awarded for proficiency in the department of Mathematics, particularly in that branch of it which includes mechanical and physical science. Competitors must be Graduates in Arts of the University, of not more than four years' standing at the time of the competition, who have taken Honours in the department of Mathematics and Natural Philosophy. The next competition may take place in April 1908.

1904. *E. B. Ross, M.A.*

IV.—SIR DAVID BAXTER PHILOSOPHICAL SCHOLARSHIP.

This Scholarship, also founded by Sir David Baxter, Bart., of Kilmaron, is of the annual value of about £66, and is tenable for four years. By the terms of the Deed of Foundation (given in the CALENDAR for 1864-65, p. 171), it is awarded for proficiency in the

Department of Mental Philosophy. Competitors must be Graduates in Arts of the University, of not more than four years' standing at the time of the competition, who have taken Honours in the department of Mental Philosophy. The subjects of examination are Logic, Metaphysics, and Moral Philosophy. The next competition, for full period, may take place in April 1907. Last holder resigned at end of second year. Examination for remainder of term in October 1906.

V.-VII.—JOHN EDWARD BAXTER SCHOLARSHIPS.

These Scholarships were founded in 1876, and are three in number, each of the annual value of about £85, and tenable for three years. One is in the Department of Classical Literature, another in Mental Philosophy, and the third in Mathematics and Natural Philosophy. They are open for competition to all Masters of Arts of the University of not more than three years' standing at the time of the competition. The Scholarship in Mental Philosophy may be open in April 1907, and those in *Mathematics* and *Classics* will be open in April 1908. See Deed of Foundation at p. 361 of CALENDAR for 1877-78.

1905. *R. M. Maciver, M.A.* (Classics).

G. W. Jones, M.A. (Mathematics).

VIII.—DRUMMOND MATHEMATICAL SCHOLARSHIP.

This Scholarship was founded in 1865 by Miss Elizabeth Drummond, in memory of her brother, Captain Drummond, R.E., Under Secretary for Ireland. It is of the annual value of about £94, and is tenable for three years. By the Deed of Foundation (given at p. 198 of CALENDAR for 1865-66), it is open to Graduates in Arts of not more than three years' standing, who have graduated with Honours in the Department of Mathematics. It cannot be held with any other Bursary or Scholarship, and the holder is recommended to travel for the purpose of inspecting, in this and other countries, remarkable engineering and architectural structures, to extend his knowledge of the practical application of Mathematical principles; and, if required by the Senatus Academicus, to deliver reports on the principal structures examined by him, and the Mathematical principles exemplified thereby; which reports the Senatus may cause to be publicly read in the University or elsewhere in Edinburgh. The next competition may take place in April 1909.

1906. *Jessie F. Cameron, M.A.*

IX.—BRUCE OF GRANGEHILL AND FALKLAND'S CLASSICAL SCHOLARSHIP.

This Scholarship, founded in 1865 by Mrs Tyndall Bruce of Falkland, is of the annual value of £100, and is tenable for three years, during two of which the studies of the Scholar must be prosecuted in the University of Edinburgh, but in the third year they may be prosecuted in an

English or Foreign University. By the terms of the Deed of Foundation (given at p. 205 of the CALENDAR for 1866-67), this and the two following Scholarships held by Students who have passed their Examinations for the Degree of Master of Arts with Honours, have hitherto been conferred upon the most distinguished in that one of the Honours Departments which is appropriated for each year. The Scholarship cannot be conferred upon any one whose age exceeds twenty-three years, and it cannot be held with any other Scholarship or Fellowship of a Scottish University, or with any situation yielding an income of £100 per annum. In the event of the Scholarship becoming vacant during the period of tenure, through resignation or otherwise, of the Scholar, then the sum falling in shall be bestowed by the Senatus for the remaining period of tenure on a Student attending the Divinity Classes who shall be reported by the Faculty of Theology to be a meritorious Student and deserving of the Scholarship. The next award may be made in April 1908.

1905. *Walter Carter, M.A.*

X.—BRUCE OF GRANGEHILL AND FALKLAND'S
SCHOLARSHIP IN MENTAL PHILOSOPHY.

This Scholarship, founded in 1865 by Mrs Tyndall Bruce of Falkland, is of the annual value of £100, and is tenable for the same period, and under the same conditions as the preceding. The subjects of examination are Logic and Psychology, Metaphysics, Moral Philosophy, and History of Philosophy. The next award may be made in April 1907.

1904. *William Johnstone, M.A.*

XI.—BRUCE OF GRANGEHILL AND FALKLAND'S
MATHEMATICAL SCHOLARSHIP.

This Scholarship, founded in 1865 by Mrs Tyndall Bruce of Falkland, is of the annual value of about £100, and is tenable for the same period, and under the same conditions as the preceding. The subjects of examination are Mathematics and Natural Philosophy. The next award may be made in April 1908.

1905. *John B. Marshall, M.A.*

XII.—GRAY SCHOLARSHIP.

This Scholarship, founded by Mr Gray of Baad Park in 1864, is of the annual value of about £91, and tenable for two years. It is awarded for distinction in one of the Honours groups of subjects for the Degree of Master of Arts, or in one of the groups of subjects for the Final Examination for the Degree of Bachelor of Science, or in the Historical and Philosophical subjects of the examination for the Degree of Bachelor of Laws, or to Students in the Faculty of Divinity for distinction in the Final Examination for the Degree of Bachelor of Divinity. It has been resolved that the Scholarship shall be offered in

rotation in the Faculties of Arts, Science, Law, and Divinity. When it falls to the Faculty of Arts it will be offered in rotation in the order of the groups of Honours subjects in the Arts regulations, and when it falls to the Faculty of Science, it will be offered in one of the groups of the Second Science Examination. When not awarded in the Faculty in which it is offered, it will then be offered to the other Faculties in rotation. The holder of the Scholarship is required, as a condition of tenure, to satisfy the Senatus Academicus that he is pursuing special higher studies, or that he is engaged in original research, either in the University of Edinburgh or in another University approved by the University Court, and he must also satisfy the Senatus Academicus of the importance of the work he proposes to undertake, and of his qualifications for such work. In 1907 the Scholarship will be offered in the Faculty of Science.

1905. *J. F. Nicoll, M.A.*

XIII.—GILCHRIST SCHOLARSHIPS.

These Scholarships were founded in 1865 by the Trustees of the late Dr Gilchrist; they are three in number, each of the annual value of £100, and are open to natives of India who have passed competitive examinations at the Presidential Colleges of India. They are attached to the Medical, Law, and Literary Classes in the University.

XIV., XV.—FETTES EXHIBITIONS.

These Exhibitions are each of the annual value of £60, and are tenable for four years. They are open annually for competition, one among the Founders alone, and the other among the Founders and such other pupils as have attended Fettes College regularly for not less than five years.

XVI., XVII.—RHIND SCHOLARSHIPS.

These Scholarships were, in accordance with the will of the late A. H. Rhind, Esq., of Sibster, founded by his trustees on the reversion of his estate. They are two in number, one in the Department of Classical Literature, the other in that of Philosophy, are each of the annual value of about £82, are tenable for not less than two years, or more than three years, and are open to Undergraduates and to Graduates of not more than three years' standing at the time of the competition. Competitors must have attended classes in this University for not less than three *winter* sessions or their equivalent, attendance being defined to mean that the competitors must present Certificates of having attended at least four classes during the period aforesaid, and of having duly performed the work of the classes. The successful Candidates may be required to undertake duties connected with the teaching of the University, or otherwise assist in some department

of its operations. *See* Deed of Foundation at p. 323 of CALENDAR for 1874-75. The next competition for the Classical Scholarship may take place in April 1907, and the next competition for the Philosophical Scholarship may take place in April 1908.

1904. *A. F. Giles, M.A. (Cl.).*

1905. *G. G. Campbell, M.A. (Phil.).*

XVIII.—THE CHARLES MACLAREN SCHOLARSHIP.

This Scholarship, founded in 1871 by the Trustees of Mrs Maclaren, in memory of Charles Maclaren, Esq., the eminent geologist, is of the annual value of about £98, and is tenable for three years. It is for the encouragement of the study of Mathematics and Natural Philosophy, and is open to all graduates in Arts of not more than three years' standing at the time of the Competition (and under 30 years of age) who shall have taken honours in Mathematics. The successful competitors are to spend a few months in travelling and in examining remarkable Engineering and Architectural Structures, and to report to the Senatus, which report the Senatus may cause to be publicly read in the University. The Deed of Foundation is given at p. 324 of CALENDAR for 1873-74. The next competition may be in April 1908.

1905. *P. D. Innes, M.A., B.Sc.*

XIX.—NEIL ARNOTT SCHOLARSHIP FOR EXPERIMENTAL PHYSICS.

This Scholarship, value about £35, was founded in 1874, and is awarded annually to the most distinguished Student in the Physical Laboratory of the University.

The recipient must, during the ensuing Summer and Winter Sessions, assist the Professor of Natural Philosophy in the Laboratory. Failing a Student deemed by the Professor worthy of the Scholarship, it may be given to the Candidate for a Degree in Arts who has undergone the Examination in Natural Philosophy with most distinction. *See* Deed of Foundation, at p. 340 of CALENDAR for 1875-76.

1906. *A. F. Ewan.*

XX.-XXII.—FERGUSON SCHOLARSHIPS.

Six Scholarships, each tenable for two years ; Three are competed for annually—one for Classics ; one for Mathematics, including Natural Philosophy ; and one for Mental Philosophy, including Logic, Psychology, Metaphysics, and Moral Philosophy. The Examinations for 1905 will be held in Glasgow—the Classical *on the 26th, 27th, and 28th*, and the Mathematical and Mental Philosophical *on the 26th and 27th of September*.

The Competition is open to "all persons who have passed the Examinations required for the Degree of Master of Arts in one of the Universities of Scotland (whether taking the Degree at the same time

or not) provided that at the time of the Competition not more than six years have elapsed since the date of their first matriculation after having passed the Preliminary Examination, and who have not already gained one of these Scholarships." Candidates are required to enter their names at the Office of the Ferguson Bequest Fund, 94 Bath Street, Glasgow, not later than 1st September 1906.

For further information apply at the Office of The Ferguson Bequest Fund, 94 Bath Street, Glasgow.

SCHOLARS, 1905.

Classics—James Fraser, M.A., of Aberdeen University.

Mathematics—John Gray, Jr., M.A., of Aberdeen University.

Mental Philosophy—John Waugh Scott, M.A., of Glasgow University.

XXIII.-XXXII. VANS DUNLOP SCHOLARSHIPS.

TEN VANS DUNLOP SCHOLARSHIPS, each of the annual value of £100, and tenable for three years, are, by the Deed of Foundation, appropriated to the following subjects:—1. English Literature and Poetry; 2. Classical Learning—Latin and Greek; 3. Commercial and Political Economy and Mercantile Law; 4. Logic and Metaphysics; 5. Natural Philosophy; 6. Mathematics; 7. Hebrew and Oriental (Semitic) Languages; 8. History; 9. Moral Philosophy; 10. Sanskrit and Comparative Philology. In terms of the Trust-Disposition (which is given at p. 380 of CALENDAR for 1880-81), the Scholarships are given only for "distinguished proficiency" in the various subjects of competition, as determined by the Examiners and the Senatus Academicus.

The following are the General Regulations for the Examinations:—

Competitors for these Scholarships must have regularly attended at least one full Course or two Half-Courses in the University of Edinburgh during each Academic year in which they claim to have been Matriculated Students, and no Candidate is eligible who has discontinued attendance at the University of Edinburgh for more than one year. The years of Academic study count from the first year in which a Candidate has attended one of the classes qualifying for the degree of M.A.

Each Scholarship is tenable on condition that the Scholar submits annually to the University evidence that he is prosecuting his studies, or his professional work, in a manner satisfactory to the Senatus. The evidence generally may consist of—(1) Certificates of attendance on Lectures or Laboratories in this or some other University; or (2) Certificate of having acted as Assistant to a Professor in this or some other University; or (3) A written Report of work done by the Scholar during the year, together with a Thesis composed by himself on a subject connected with that work. For the Natural Philosophy Scholarship, Scholars will be required in the first

year of tenure of the Scholarship either to pursue a course of Laboratory study or to engage in Experimental Research, and in the second and third years either to pursue a course of Advanced study in Mathematical Physics or to engage in Experimental Research—the work for each year to be approved by the Senatus.

Not more than one of these Scholarships can be held by the same person, and Vans Dunlop Scholars cannot hold, along with their Scholarship, any other Fellowship, Scholarship, or Bursary in the University of Edinburgh.

Candidates for the Vans Dunlop Scholarships must, on entering for the Examinations, produce evidence that they have fulfilled the conditions of eligibility.

Candidates, if not already matriculated, are required to pay the Matriculation Fee for the year in which the competition takes place.

The names of Candidates highly distinguished in the Vans Dunlop Scholarship examinations may be published.

XXIII.—ENGLISH LITERATURE AND POETRY.

Candidates are subjected to an Examination testing—(1) Knowledge of the History of English Literature generally, and more particularly through a prescribed period; (2) Acquaintance with certain books, chiefly of English Poetry, prescribed for special reading; (3) Ability in English Composition, in the form of an Essay, written in the Examination Room, on some subject of literary criticism.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed five academic years either in this University alone or in this and any other University or Universities together; and who have given regular attendance in the Class of Rhetoric and English Literature, and in at least one other class on English Language or Literature. The next Competition may take place in March 1909.

1906. *G. D. Stalker.*

Prox. access., J. H. Jagger and J. A. Roy, M.A.

XXIV.—CLASSICAL LEARNING—LATIN AND GREEK.

1. *Latin.*—The Examination will test:—

(a) Power of Latin Composition, and of translating from Latin authors not previously prescribed.

(b) Knowledge of Roman History and Literature.

2. *Greek.*—(a) Power of Greek Composition, and of translating from Greek authors not prescribed.

(b) Knowledge of Greek History and Literature.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed four academic years either in this University alone or in this and any other University or Universities together; and who have

given regular attendance in the Latin and Greek Classes necessary for graduation in Arts.

The next Competition will take place in October 1908.

1905. *James Turner.*

Prox. access., G. S. Duncan.

XXV.—COMMERCIAL AND POLITICAL ECONOMY AND MERCANTILE
LAW.

The Examination will test knowledge of the subjects assigned in the Deed of Endowment to the Chair of Commercial and Political Economy and Mercantile Law. It will include the subjects embraced in the Lectures, and also in books prescribed from time to time by the Appropriate Board of Studies.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed five academic years either in this University alone or in this and any other University or Universities together; and who have regularly attended the Class of Commercial and Political Economy and Mercantile Law. The next Competition will take place in October 1907.

1904. *Thomas White.*

Prox. access., J. W. Nelson.

XXVI.—LOGIC AND METAPHYSICS.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed four academic years either in this University alone or in this and any other University or Universities together; and who have completed attendance on the Ordinary Class of Logic and Metaphysics. The next Competition will take place in April 1909.

1906.

XXVII.—NATURAL PHILOSOPHY.

The Examination will test the knowledge of the Candidates in Experimental Physics and Applied Mathematics. Candidates will be permitted to submit to the Examiners properly authenticated records of work done by them in a Physical Laboratory, or of any original investigations they may have made; and such records will be taken into consideration by the Examiners.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed six academic years either in this University alone, or in this and any other University or Universities together; and who have attended at least two of the classes in Natural Philosophy, of which either the Ordinary Class or the Senior Practical Class must be one. The next Examination will take place in March 1907.

1904. *G. A. Carse, M.A.*

XXVIII.—MATHEMATICS.

The Examination will test Candidates in pure mathematical subjects in the Honours Department for the Degree of Master of Arts, and in special subjects to be prescribed by the Examiners from time to time.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed six academic years either in this University alone or in this and any other University or Universities together; and who have attended at least two of the Mathematical Classes, one of these being an Honours Class. The next Examination will take place in March 1907.

1904. *Archibald King, M.A., B.Sc.*

XXIX.—HEBREW AND ORIENTAL (SEMITIC) LANGUAGES.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed six academic years either in this University alone or in this and any other University or Universities together; and who have attended at least two courses under the Professor of Hebrew and Oriental Languages.

Candidates will be examined in Hebrew, Syriac, and Arabic.

The next Competition will take place at the end of March 1908.

1905. *John Pinkerton, M.A.*

XXX.—HISTORY.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed five academic years either in this University alone, or in this and any other University or Universities together; and who have attended at least two classes qualifying for Graduation in History within the University.

The next Competition will take place in October 1907.

1904. *James Munro.*

XXXI.—MORAL PHILOSOPHY.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed four academic years either in this University alone or in this and any other University or Universities together; and who have completed attendance at the Ordinary Class of Moral Philosophy.

The next Competition will take place in October 1907.

1904. *David Coventry Wilkie.*

XXXII.—SANSKRIT AND COMPARATIVE PHILOLOGY.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not com-

pleted six academic years either in this University alone or in this and any other University or Universities together ; and who have attended at least two courses under the Professor of Sanskrit and Comparative Philology.

The next Competition will take place in March 1907.

1904. *G. S. Bhate.*

XXXIII.—SKIRVING SCHOLARSHIP FOR MORAL PHILOSOPHY.

This Scholarship is to be founded (after the death of an annuitant) in accordance with the Will of the late David Skirving, of No. 13 Westbourne Park, London. It will be of the annual value of about £50, and tenable for three years. *See* Deed of Foundation at p. 350 of CALENDAR for 1876-77.

XXXIV.—LANG SCHOLARSHIPS.

This is a Bequest by the late John Lang, Esq. of Warren Park, Ayrshire, with the object of founding four Scholarships, to be called the "Lang Scholarships," one in Natural Philosophy, one in Mathematics, one in Chemistry, and one in Botany. The capital sum will be payable on the death of the survivor of two liferenters.

XXXV.—MACKAY SMITH SCHOLARSHIP IN NATURAL PHILOSOPHY.

This Scholarship is of the annual value of £25, and tenable for two years, is open for Competition to Students who have attended the Class of Natural Philosophy in this University. The successful candidate is required to attend the class of Natural Philosophy, or to prosecute the study of Natural Philosophy during at least one year of his tenure of the Scholarship, in such a way as the Senatus may direct or approve. Candidates will be expected, besides attending the Examination, to submit properly authenticated records of Laboratory work performed by them, and such records will be taken into consideration by the Examiners. The next award may be made in April 1908.

1906. *Ralph G. Baird.*

XXXVI.—GEORGE SCOTT (TRAVELLING) SCHOLARSHIP.

This Scholarship, of about £35, is awarded annually (a previous holder not being ineligible for re-election), for the purpose of assisting Graduates in Arts of the University, of not more than three years' standing at the date of their election as Scholars (in the selection of whom a preference shall be given to natives of Perthshire, should any such apply) to travel for purposes of Study or Research. Applicants are required to state :—(1) The purpose for which they desire to use the Scholarship ; and (2) What other means

they have towards the object in view. The award will be based—(1) On the importance of the work to be undertaken; (2) the sufficiency of the means proposed to be applied to the work; (3) the capability of the applicant for the work he proposes to undertake. The holders are required in all cases to satisfy the Senatus, by half-yearly reports, that they are carrying out the work undertaken; and must present a final report or deliver a short Course of Lectures on their work when completed. The appointment is made by the Senatus on a report by the Faculty of Arts on the merits of the applicants. Preference will be given to Candidates desiring to undertake work in the following groups of subjects, under the following scheme of rotation, provided always that a suitable Candidate presents himself:—(1) Classical Languages and Classical Archaeology; (2) Mental Philosophy; (3) Mathematical and Physical Science; (4) Semitic and Indian Languages; (5) English and Modern Languages; (6) History. The appointment of a Preferential Candidate will not change the rotation of the groups. The last award to a Non-Preferential Candidate was in the group of English and Modern Languages. In 1907, failing a Preferential Candidate, the Scholarship will be awarded in the next group in the above rotation provided there be a suitable Candidate. Failing a suitable Candidate, it will be open in the following group. *See Deed of Foundation in CALENDAR for 1897-98, page 419.*

1906. *Margaret K. Ross, M.A. (Pref. Cand.).*

XXXVII.—MACPHERSON SCHOLARSHIP.

This Scholarship is awarded annually by the Senatus Academicus to a student who has, within six years of the date of the competition, completed the examination necessary for the degree of Master of Arts in the University of Edinburgh, with or without honours, who has included in his examination the subjects of Latin and Greek, and who has attended the class of Celtic and attained distinction in that subject. The scholar must study Celtic in a University or other place offering special facilities for Celtic study, subject to the approval of the Senatus Academicus. The Scholarship is of the value of about £80, and is tenable for one year. Before 15th February next after his appointment the scholar must submit to the Senatus Academicus a report of the work he has done, and of such further studies in Celtic as he proposes to prosecute, and the Senatus Academicus may, if they think fit, appoint him to the said Scholarship for a further period of one year. In the case of a scholar being reappointed for a second year a new scholar cannot be appointed till the following year.

1906. *J. I. Macpherson, M.A., LL.B.*

XXXVIII.—THE NICHOL FOUNDATION.

The free yearly interest or income derivable from this foundation, amounting to about £50, shall be paid to a deserving Student,

who shall regularly attend and devote himself as assistant in the Physical Laboratory, and who shall be bound to give his whole time in promoting the study of Natural Philosophy in connection therewith. It is tenable for one year, but on the recommendation of the Professor of Natural Philosophy it may be continued for a second year or longer. It cannot be held along with any Bursary or Scholarship. See Deed of Foundation in CALENDAR for 1897-98, page 419.

1905. *John Harkess, M.A.*

XXXIX., XL.—RITCHIE SCHOLARSHIPS FOR CIVIL SERVICE CANDIDATES.

These Scholarships, endowed by the late James Ritchie, formerly of Edinburgh, are for Candidates for the Civil Service of India. They are open annually, are each of the annual value of about £39, and tenable in the first instance for one year. They are not tenable along with any other Scholarship or Bursary without the express approval of the Senatus. Candidates must be eighteen years of age at the date of application (1st October), and they must be still eligible to compete for the Civil Service in the following August. The Scholarships will be awarded without examination, on the basis of work already done at Edinburgh University. Candidates will be expected to show evidence of some such distinctions as the following:—Second Class Honours (at least) in some department of the Faculty of Arts; a degree in Science; or Class Certificates of Merit (First Class) in three or four different subjects. The holders will be required (1) to declare their intention of competing for the Civil Service; (2) to pursue their studies in Edinburgh University, and to submit from time to time evidence of industry and progress in the subjects which they intend to offer in the Civil Service Competition. The holder of a Scholarship may offer himself again as a Candidate. He will not be debarred from entering his name for the Home as well as the India Service; and in the event of his being high enough in the list to have the option of a Home appointment, he will be free so to choose. Applications should be sent to the Secretary of Senatus on or before 1st October, and should be accompanied by (a) evidence of age, (b) a list of distinctions obtained in Class and Degree Examinations at Edinburgh.

1906. *T. R. Gardiner, M.A.*
D. R. Matheson, M.A.

XLI.—THE KIRKPATRICK HISTORY SCHOLARSHIP.

This Scholarship, of the value of about £58, founded by the late Miss Annabella Kirkpatrick, will be awarded annually to the most distinguished First Class Honours Graduate in History of the year, whom failing, to the candidate who, during the two years immediately

preceding the award, shall have attained the highest distinction in the ordinary Class of Constitutional Law and History, and in at least one other qualifying Class in History or in Political Science.

1906. *W. D. Ritchie, M.A.*,
Alexander Robertson, M.A., } equal.

XLII.—GEORGE HERIOT'S TRAVELLING SCHOLARSHIP FOR TEACHERS OF MODERN LANGUAGES (MEN OR WOMEN).

This Scholarship of £100, tenable for one year, may be offered for Competition in March 1906. If offered, it will be open to a Graduate in Arts of this University, of not more than four years' standing at the date of election as Scholar, who has passed the Degree Examination (Honours or Ordinary) in one of the Modern Languages either before or after graduation, has attended an Honours Class in the Language for which the Scholarship is awarded, has obtained the Schoolmaster's Diploma in the University of Edinburgh, and who is, or intends to become, a Teacher of Modern Languages. If offered, the Scholarship will be awarded to the Candidate who stands highest in French. For further particulars apply to the Treasurer, George Heriot's Trust, 20 York Place, Edinburgh, from whom schedules of application may be obtained, which must be lodged with him not later than 15th March.

1906. *Nannie M'William, M.A.*
Prox. access., Jean M. Laurie, M.A.

IV.—FELLOWSHIPS.

See Note under Bursaries, p. 180.

I.—GUTHRIE FELLOWSHIP IN CLASSICAL LITERATURE.

This fellowship, founded in 1866 by James Guthrie, Esq., London, is of the annual value of about £80, and is tenable for four years. By the terms of the Deed of Foundation (given at p. 210 of the CALENDAR for 1866-67) it is for proficiency in Classical Literature, and is open to Graduates in Arts of the University who have taken their Degree since the last competition. Students who have passed all their examinations for a Degree since the last competition, but have deferred graduating, are also eligible. It cannot be held along with any other Fellowship or Scholarship in a Scottish University. The next Competition may take place in April 1907.

1903. *William Pryde, M.A.*

II.—THE HAMILTON PHILOSOPHICAL FELLOWSHIP.

This Fellowship, founded in 1866 by the Subscribers to the fund for a Memorial to the late Professor Sir William Hamilton, and by the

Association for the better endowment of the University, is of the annual value of about £87, and is tenable for three years. By the Deed of Foundation (given at p. 213 of CALENDAR for 1866-67), the Fellowship is open to all Graduates in Arts of the University of Edinburgh of not more than three years' standing at the time of the competition. It cannot be held along with any other Scholarship or Fellowship in any Scottish University. The subjects of examination are Logic, Metaphysics, Moral Philosophy, and the History of Philosophy. The next Competition may take place in April 1909.

1906. *John Handyside, M.A.*,

III.—SHAW FELLOWSHIP IN MENTAL PHILOSOPHY.

This Fellowship, founded in 1867 by Contributors to a Memorial to Sir James Shaw, Bart., a native of Ayrshire, afterwards Lord Mayor of, and M.P. for, London, and by the Association for the better endowment of the University, for the encouragement of the study of Logic, Psychology, Metaphysics, Moral Philosophy, and the History of Philosophy, is awarded after competitive examination on these subjects. It is open to Graduates in Arts of any of the four Scottish Universities, of not more than five years' standing at the time of the competition, is of the annual value of about £138, and is tenable for five years. It cannot be held along with any other Fellowship, Scholarship, or Bursary in any Scottish University, and it is not open to the competition of any person who already holds a Fellowship in any English or Irish University, though the holder of the Shaw Fellowship will not be precluded from afterwards obtaining an English or Irish Fellowship. The holder is required during the fourth or fifth year of his tenure of the Fellowship to deliver in this University a Course of four Lectures on any of the subjects for the encouragement of the study of which the Fellowship was founded. The next Competition for the Fellowship may take place in December 1908 at the beginning of the Christmas holidays. (Deed of Foundation, p. 237 of CALENDAR for 1868-69.)

1903. *Alexander Dunlop Lindsay, M.A. (Glas.)*,

Prox. access., John Handyside, M.A. (Edin.),

James Alexander Robertson, M.A. (Aber.), } equal.

IV.—EDMONSTOUNE AYTOUN FELLOWSHIP IN ENGLISH LITERATURE.

This Fellowship is of the annual value of about £84, and is tenable for three years. Candidates must have taken the Degree of Master of Arts with Honours in English, and must have passed the last of the examinations necessary for that Degree not more than three years before the date of entry for any vacancy in the Fellowship. The subject of examination, which shall be announced at each election for

the next vacancy, shall be *either* (a) a single Author of importance (his life and works); *or* (b) a special period of English Literature; *or* (c) a special department or kind in English Literature, prose or verse. The Examiners for the Fellowship shall be the Professors of English Rhetoric and English Literature for the time being, and an external examiner to be appointed by the Senatus. The next Competition for the Scholarship will take place in March 1909.

1906. *George Kitchin, MA.*

V.-XIX.—GEORGE HERIOT RESEARCH FELLOWSHIPS.

For particulars apply to the Governors of George Heriot's Trust, 20 York Place, Edinburgh.

V.—ENDOWMENTS FOR RESEARCH AND GRANTS IN AID.

I.—WILLIAM DICKSON TRAVELLING FUND.

This Fund (the interest of which amounts to about £90 per annum) has been established for the purpose of assisting Graduates (men or women) of any Faculty, of not more than Three Years' standing, to travel, for a shorter or longer period, for purposes of study or research. Grants from the Fund may be made to holders of Scholarships, Bursaries, &c. Applicants are required to state—" (1) The purpose for which the Applicants desire to get a Grant for travelling; (2) the total amount of expenditure thought necessary; (3) the other means they have towards meeting this expenditure; and (4) the amount of the Grant required from the Fund." The award of a grant to be based on—" (1) The importance of the work proposed to be undertaken; (2) the sufficiency of the means proposed to be applied to the work; (3) the capability of the Applicants for the work they respectively propose to undertake." "Holders of Grants in all cases to satisfy the Senatus by periodical reports that they are carrying out satisfactorily the work or investigation undertaken; and to present a final report, or to deliver a course of public University Lectures on their work when completed." Applications, on Special forms to be obtained at the Matriculation Office, must be lodged with the *Secretary of Senatus* on or before 15th March annually. For Deed of Endowment, see p. 514 of CALENDAR, 1889-90.

I.—EARL OF MORAY ENDOWMENT FOR THE PROMOTION OF ORIGINAL RESEARCH.

1. The available income (which amounts to about £630 per annum) is, in the first place, applied to the payment of the actual expenses of the prosecution of Original Research, present or contemplated, intended and likely to increase existing human knowledge, in any of its departments.

In such expenses would be included apparatus, special accommodation,

specimens, chemical substances, books, journals, pamphlets, reproductions of manuscripts, &c., and actual maintenance and travelling expenses, in so far as they are shown to be necessary for the purposes of research, provided that it shall be permissible to furnish out of the income such specific additions to the Library as may be deemed necessary to stimulate and aid research.

All apparatus, specimens, books, journals, pamphlets, &c., and all unused chemical substances shall, at the termination of the research, be returned, or otherwise accounted for to the University.

2. Any surplus income after meeting the claims defined in 1, above, may be expended in (a) the printing and publishing of noteworthy results, including illustrations for papers containing such results; and (b) the payment, after careful consideration of all the circumstances, of such grants of money as may be necessary to enable applicants to enter upon or carry on the work of research, or to encourage the prosecution of research.

3. All graduates and other members of the University, "or other persons who have given satisfactory proof of general education and of fitness to engage in some special study or research," are entitled to apply for assistance.

4. In so far as the subject of the research admits, the investigation shall be conducted in the buildings of the University.

5. Applications will only be considered at the November, January, and May Meetings of Senatus. Any Application should be in the hands of the Secretary of Senatus *at least six weeks* before the date of the Meeting at which it is to be considered. See Regulations in CALENDAR for 1897-98, page 428.

III.—CARNEGIE POST-GRADUATE SCHOLARSHIPS (£100) AND FELLOWSHIPS (£150), AND GRANTS IN AID OF RESEARCH.

Graduates of this University, preferably with Honours in at least one of the groups of History, Economic Science, English, and Modern Languages and Literature, are entitled to become Candidates. Application forms may be had from the Secretary to the Carnegie Trust, the Merchants' Hall, 14 Hanover Street, Edinburgh, to whom all communications must be addressed. Nominations for Scholarships, and applications for Fellowships and Grants in Aid must be lodged with the Secretary not later than 1st May annually.

1906. *J. J. MacLagan Wedderburn, M.A.,* } Fellowships.
J. R. Milne, B.Sc., }
George Stevenson, M.A., Scholarship.

THE SWINEY LECTURESHIP ON GEOLOGY.

This Lectureship is in the patronage of the Trustees of the British Museum, is of the annual value of about £144, and is open to

214 *Fellowships and Scholarships in Arts open in 1906-1907.*

Graduates in any of the Faculties in this University who have obtained their Degrees after examination. For further particulars *see* under Faculty of Science, page 338.

FELLOWSHIPS, SCHOLARSHIPS, UNIVERSITY PRIZES, AND BURSARIES, OPEN DURING THE ACADEMIC YEAR 1906-1907.

Candidates for the Fellowships and Scholarships open in Spring must give their names and addresses to the Clerk of Senatus, University, Edinburgh, *on or before 15th March annually*.¹ *The Examinations will take place in the Examination Hall, University, at the same time as the Examinations in the corresponding subjects for Graduation in Arts with Honours, unless otherwise stated.*

*Fellowship.*²

1. *Guthrie Fellowship in Classical Literature*, No. I., page 210.

*Scholarship.*²

1. *Rhind Classical Scholarship*, No. XVI., page 201.
2. *Bruce of Grangehill and Falkland's Philosophical Scholarship*, No. X., page 200.
3. *Sir David Baxter Philosophical Scholarships*, No. IV., page 198.
4. *John Edward Baxter Scholarship in Mental Philosophy*, No. V., page 199.
- 5-11. *Seven Vans Dunlop Scholarships*, each of the annual value of £100, and tenable for three years.

The following are the General Regulations for the Vans Dunlop Scholarships:—

Competitors for these Scholarships must have regularly attended at least one full Course or two Half-Courses in the University of Edinburgh during each Academic year in which they claim to have been Matriculated Students, and no Candidate is eligible who has discontinued attendance at the University of Edinburgh for more than one year. The

¹ The Senatus reserve power to relax this Regulation in cases where they are satisfied that very special cause has been shown.

² For further information, and for information regarding other Fellowships, Scholarships, Bursaries, and Prizes, see page 180 and following pages, where full information regarding the conditions and values, &c., are given. The values of the Fellowships, Scholarships, Bursaries, and Prizes are subject to variation consequent on the rise and fall of the rate of interest, Examiners' fees, &c.

years of Academic study count from the first year in which a Candidate has attended one of the classes qualifying for the degree of M.A.

Each Scholarship is tenable on condition that the scholar submits annually to the University evidence that he is prosecuting his studies, or his professional work, in a manner satisfactory to the Senatus. The evidence may consist of—(1) Certificates of attendance on Lectures or Laboratories in this or some other University; or (2) Certificate of having acted as Assistant to a Professor in this or some other University; or (3) A written Report of work done by the scholar during the year, together with a Thesis composed by himself on a subject connected with that work.

Not more than one of these Scholarships can be held by the same person, and Vans Dunlop Scholars cannot hold, along with their Scholarship, any other Fellowship, Scholarship, or Bursary in the University of Edinburgh.

Candidates for the Vans Dunlop Scholarships must, on entering for the Examinations, produce evidence that they have fulfilled the conditions of eligibility.

Candidates, if not already matriculated, are required to pay the Matriculation Fee for the year in which the competition takes place.

5. *Vans Dunlop Scholarship in Logic and Metaphysics*, No. XXVI., page 205.

The Scholarship is awarded for general distinction in Philosophy. In Logic, Psychology, and Metaphysics the Examination will be on the Standard of the Intermediate Class, including a knowledge of Kant's *Critique of Pure Reason* (to the end of the Analytic); in Moral Philosophy it will include the subjects of the Ordinary Class. Examination takes place on 9th October 1906 and following days, at 9 and 2 o'clock each day. Names to be entered on or before 22nd September.¹

6. *Vans Dunlop Scholarship in Moral Philosophy*, No. XXXI., page 206.

The Scholarship is awarded for general distinction in Philosophy, but special prominence is given to Moral Philosophy. In Logic, Psychology, and Metaphysics the examination will be on the Standard of the Intermediate Class, including a knowledge of Kant's *Critique of Pure Reason* (to the end of the Analytic); in Moral Philosophy it will include the subjects of the Ordinary Class, with the addition of Sidgwick's *Methods of Ethics*.

The Examination will begin on Tuesday, 8th October 1907. Names to be entered on or before Tuesday, 22nd September.

7. *Vans Dunlop Scholarship in Natural Philosophy*, No. XXVII., page 205.

The Examination will take place in April 1907, and will be (in as far as convenient and practicable) combined with the Examination for Honours in the Department of Mathematics.

¹ See footnote 1, page 214.

8. *Vans Dunlop Scholarship in Mathematics*, No. XXVIII., page 206.

In addition to the ordinary Honours Examination, papers will be set on special subjects. The questions, some of which will be texts for short dissertations, will be set so as to allow the Candidate to specialise his reading in one or other of the following lines:—(a) Higher Algebra (Salmon, i.-xvii.), Higher parts of Differential and Integral Calculus—for example, Definite Integrals, Fourier's Theorem, Elliptic Integrals, Differential Equations (Forsyth); (b) Theory of Invariants (Salmon, i.-xvii.), Projective Geometry, Higher Plane Curves (Salmon, chapters i.-v.), Geometry of Three Dimensions (Salmon, chapters i.-xiii.). The Professor of Mathematics will give advice regarding a course of reading for the Examination. The Examination will take place in April 1907.

9. *Vans Dunlop Scholarship in History*, No. XXX., page 206.

The Examination will begin on Tuesday, 15th October 1907, at 10 A.M., and the following five papers, of three hours each, will be set:—1. Historical Essay; 2. English History, General and Constitutional; 3. Special period of English History, General and Constitutional, 1066-1399; 4. (a) European History, period 1786-1848; (b) Constitutional History of France (1789-1875) and Prussia (1806-71); 5. Either (a) History of Scotland, A.D. 89-1014, or, in the Candidate's option, (b) History of Greece.

Candidates must enter their names, stating also whether they choose the History of Scotland or the History of Greece as one of their subjects, on or before Thursday, 26th September 1907.

10. *Vans Dunlop Scholarship in Commercial and Political Economy and Mercantile Law*, No. XXV., page 205.

The Examination will take place after the conclusion of the Law Examinations in October 1907. The subjects will be the same as for Honours in Economic Science in 1907. Names to be entered on or before 24th September.

11. *Vans Dunlop Scholarship in Sanskrit and Comparative Philology*, No. XXXII., page 206.

The Examination will take place in March 1907. The date will be afterwards announced.

The following are the subjects of Examination:—

Sanskrit.

Kālidāsa's Meghadūta, with Mallinātha's Commentary.

Mṛcchakaṭikā; Pañcatantra, book i.

Grammar. Composition.

General knowledge of Sanskrit literature.

Comparative Philology.

Delbrück, Introduction to the Study of Language.

Henry, Short Comparative Grammar of Greek and Latin; with reference to Sanskrit etymology.

12. *George Heriot's Travelling Scholarship for Teachers of Modern Languages* (Men and Women), No. XLII., page 210. The Scholarship may be awarded to the Candidate who stands highest in French. For further particulars apply to the Treasurer of George Heriot's Trust, 20 York Place, Edinburgh, from whom schedules of application may be obtained, which must be lodged with him not later than 15th March.

13. *Macpherson Scholarship*, No. XXXVII., page 208.

The subjects of Examination are: (1) Fled Bricrend (Windisch's *Irische Texte*). (2) *Modern Gaelic*: Macintyre and Rob Doun's Poems; Keating's Three Shafts of Death, books i., ii., and iii. (Atkinson's Edition); and O'Rahilly's Poems; (3) Translation into English from Old and Modern Gaelic Authors. (4) Translation from English into Gaelic prose (Scottish or Irish). (5) A general knowledge of the History of Gaelic Literature, with more detailed knowledge of the Literature of the Scottish Highlands from A.D. 1560 to the present day. The Scholarship is awarded annually in April. Date to be afterwards announced.

14. *The George Scott Travelling Scholarship*, No. XXXVI., page 207.

15. *Neil Arnott Scholarship for Experimental Physics*, No. XIX., page 202.

16-18. *Three Ferguson Scholarships*, No. XX., page 202.

19, 20. *Two Ritchie Scholarships for Candidates for the Civil Service of India*, No. XL., page 209.

21. *Kirkpatrick History Scholarship*, No. XLI., page 209.

Funds for Special Study or Research.

1. *The William Dickson Travelling Fund*, No. I., page 212.

2. *The Earl of Moray Bequest for the Promotion of Original Research*, No. II., page 212.

3. *Carnegie Post-Graduate Scholarships (£100 and Fellowships (£150), and Grants in Aid of Research*, No. III., page 213.

Prizes.¹

1. *Scott and Dunbar Prize*, No. IV., page 196.

2. *Bruce of Grangehill and Falkland's Prize*, No. II., page 196.

3. *The Elizabeth Hamilton Prize*, No. IX., page 197.

4. *Neil Arnott Prize*, No. XIX., page 202.

5. *Cousin Prize in Fine Art*, No. V., page 196.

6. *Gray Prize Essays*, No. III., page 196.

7, 8. *Two Newton Bursaries or Prizes*, No. LXIII., page 192.

¹ See footnote 2, p. 214.

9. *The Kelland Memorial Prize*, No. VI., page 196. Names to be given in not later than 21st September.

10. *The Gladstone Memorial Prize*, No. VII., page 197. Applications, with the necessary certificates, to be lodged with the Clerk of Senatus not later than 30th March.

11. *Lord Rector's Prize*. This Prize of Twenty-five Guineas will be awarded for the best Essay on:—"The Place of the University in Scottish History." The Competition is open to students of the University who have Matriculated during the Academic year 1905-6, and to Graduates of not more than two years' standing at the date of lodging the Essay. Essays must be lodged with the Secretary of Senatus on or before Wednesday, 9th January 1907. No Essay will be received after that date. Each Essay must be distinguished by a motto and accompanied by a sealed envelope containing the name, address, and University standing of the Candidate.

Bursaries.¹

FOR STUDENTS ENTERING THEIR FIRST YEAR.

(*For Time-Table of Examinations, see pages 136-138.*)

Bursaries in Arts heretofore tenable for four years shall continue to be so tenable, provided that, if the holders graduate after three years, they shall only retain their Bursaries during a fourth year if they shall engage in study approved by the Senatus in subjects included in the Curriculum for Degrees in Arts or in Pure Science. Bursars in Arts, subject to the provision as to the fourth year of tenure, shall attend in each year at least two classes qualifying for Graduation in Arts, and shall duly perform the work of these classes: Provided that it shall be in the power of the Senatus, with approval of the University Court, to permit such Bursars to attend classes qualifying for Graduation in Pure Science in place of classes qualifying for Graduation in Arts. [See Ordinance No. 57.]

The Bursaries are awarded on the results of the University Bursary Examinations unless otherwise stated, and are tenable at the University of Edinburgh only. The Senatus reserve the power, under Section VIII. of Ordinance No. 57, to award not more than two First Year Bursaries in Arts in respect of exceptional distinction in any one branch of study.

For Bursary and other purposes, where the phrase "First Year's Student in Arts or Pure Science" is not by Deed of Foundation or otherwise defined, it shall mean "A Student in Arts or Pure Science who has not attended any class qualifying for Graduation in the said Faculties in any Scottish University."

¹ See footnote 2, p. 214.

The Subjects of Examination for the first year Bursaries, unless otherwise stated, are the same as those for the Preliminary Examination on the *Higher Standard*, viz.:—English (full marks 100), Latin (100), Greek (100), Mathematics (100), French (50), German (50), Italian (50), and Dynamics (50), with additional papers in English, Latin, Greek, Mathematics, French, and German. Candidates may select not more than five subjects; but no Candidate will be credited with marks in any subject in which he has not obtained twenty-five per cent. of the total marks assigned to that subject. The Examination Papers are indicated in the Time-Table of Examinations by the figure 1.

Candidates for *Preferential or Restricted* Bursaries in the gift of private patrons must, if they do not hold exempting certificates, pass the Preliminary Examination in Arts prescribed by the Regulations for Degrees in Arts, Section III., and no Bursary shall, except as hereinafter provided, be awarded to any Candidate who shall not have passed the Preliminary Examination in Arts, or its equivalent. But it is in the power of the Senatus, with the approval of the University Court, to admit to a Bursary in Arts not awarded by open competition a Candidate who shall have passed in at least one subject of the Preliminary Examination, on the condition that he shall not retain the Bursary unless he shall have passed in all the subjects not later than the Second Preliminary Examination after the date of his admission as Bursar. When more than one Candidate enters for a Preferential Bursary, the examination will be competitive as for first year Bursaries.

Candidates for First, Second, and Third Year Bursaries, may on and after 7th September obtain schedules at the Matriculation Office, University (Old) Buildings, which must be completed and returned to the Clerk of Senatus *on or before* 21st September. The Senatus may relax this Regulation in cases where very special cause has been shown.

Town Council Bursaries.—Candidates for Bursaries in the gift of the Town Council, a number of which are vacant, are referred to the "*City Clerk, Council Chambers, Edinburgh,*" to whom early application should be made. The Examination is the same as for the University Open Bursaries.

County Clubs, and others, may, by arranging with the University Court, avail themselves of the University Examinations by giving written intimation of the names of their Candidates at the Matriculation Office not later than 21st September. Those who desire to have their Bursaries inserted in the CALENDAR, under the head of Bursaries open during the year, are requested to give intimation to the Editor of the CALENDAR before 1st January.

County Club and Private Bursaries.—Candidates for Bursaries instituted by various County Clubs are referred to the respective Secretaries of these Clubs. Information as to Private Bursaries may be obtained from the Patrons or from their Agents.

Candidates for Bursaries, unless also Candidates for the Preliminary Examination, pay no fee.

The names of the successful Candidates, and of others distinguished in the ordinary Bursary competition, will be published, in the order of merit, in the University Calendar, along with the names of the schools from which they come, provided that they have matriculated and enrolled in the necessary classes for 1906-1907.

I. FIRST YEAR BURSARIES¹ OPEN IN SEPTEMBER-OCTOBER 1906.

1. *One John Welsh Classical Bursary*, of the annual value of £20, tenable for four years. Subjects of examination—Latin, Greek, English.

2. *One John Welsh Mathematical Bursary* of the annual value of £20, tenable for four years. Subjects of examination—Mathematics, especially pure Geometry. (Candidates are recommended to read Macdonald's *Higher Geometry*, Wilson's *Solid Geometry and Conic Sections*, and Casey's *Sequel to Euclid*, as partly indicating the scope of the examination in Geometry. What will be looked for is, not so much exhaustive knowledge of all the more intricate theorems, as a thorough knowledge of such as are more elementary and fundamental in their character, and ability to apply these in fairly straightforward exercises.)

3. *Patrick Bursary*, of about £44 a year, tenable for four years, for those who have completed their School Education at Ayrshire schools or academies where a course of Classical Study is pursued. The rectors or head teachers of each of said schools or academies may grant a certificate or letter to any number, not exceeding four, of the best scholars who have completed their course of education at such school or academy, and are in a position to enable them to apply for admission to the University; and those holding such letters or certificates are entitled to present themselves for examination as candidates for the Bursaries. Failing qualified candidates, the Senatus may award by open competition.

4, 5. *Two Sibbald Bursaries*, each of the annual value of £30, tenable for three years. Apply to Messrs Mackenzie, Innes & Logan, W.S., 23 Queen Street, Edinburgh, before 15th September.

6, 7. *Two Grant Bursaries*, each of the annual value of £45, and tenable for four years. The holders may attend classes in the Faculties of Arts, Science, Divinity, Law, or Medicine. Apply to Messrs Mackenzie, Innes & Logan, W.S., 23 Queen Street, Edinburgh, the agents for the Trustees, before 15th September.

8. *Thomson Bursary*, £25 a year, tenable for four years. The Bursary is not tenable with any other Bursary or Scholarship. Apply to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh, before 15th September.

¹ For Bursaries not restricted to particular years, see page 226. See also footnote 2, page 214.

9. *One Mann Bursary*, of £29, tenable for three years. Candidates must be sons of residents in the town of Nairn, *i.e.*, one or other of their parents must have resided within the municipal boundaries for at least twelve months at some period prior to the competition. Should there be no qualified Candidates of the first year for the Bursary, a notice will be posted at the College gate soon after the Bursary Competition. Other Preferential Candidates must then lodge their claims within one week after the notice appears on the Board.

10-12. *Three Jardine of Thorlieshope Bursaries*, each of the annual value of £34, tenable for four years. Open only to natives of the rural districts of Roxburghshire and Dumfriesshire (villages and towns with a population of 2000 and upwards being excluded) who have attended the Public or Board Schools in said Counties. The Bursars are required to attend the classes necessary for the Degree in Arts, and to take the Degree at the end of the course. In the event of there being no qualified First Year Student, the Bursaries may be thrown open to competition for one year only to second, third, or fourth year Students in succession.

13-15. *Three Grierson Bursaries*, each of £20 a year, tenable for four years—restricted in the first place to natives of the parishes of Crawford and Leadhills. Failing Preferential Candidates, they will be treated as Open Bursaries.

16. *One Maule Bursary*, of £21 a year, tenable for six years, for the maintenance and education of a poor and deserving student if he shall continue so long to prosecute his studies at the University. The successful candidate will be required to produce a certificate regarding his circumstances and character from some person of standing to whom he is known.

17. *Earl of Zetland Bursary*, of the value of about £40 per annum, tenable for three years, is open for competition to First Year Students (male or female), natives, or children of parents one or both of whom have been born in or connected for a long period of years with the Islands of Orkney and Zetland. Candidates must either have been wholly educated in the Islands, or at least they must not have received any education elsewhere within four years. The Bursar must attend the classes in the Curriculum with a view to a Degree in Arts. Apply to Messrs Dundas & Wilson, C.S., 16 St Andrew Square, Edinburgh, before 15th September.

18. *A Baxter of Balgavies Bursary*, of the annual value of £30, and tenable for three years, open both to men and women who have been educated in the High School of Dundee for at least one year immediately preceding the Competition.

19. *Cousin Bursary*, of about £28 a year, tenable for three years. The Bursary cannot be held along with any Fellowship, Scholarship,

or Bursary, or with any situation or appointment yielding an annual income of £30 or upwards.

20, 21. *Two Mackinnon Bursaries*, of about £20 a year, tenable for three years. Candidates must be natives of the Counties of Argyll, Bute, Inverness, Ross, or Sutherland, and must be examined in Gaelic.

22. *Mitchell and Short Bursary*, of the annual value of £21, 15s 2d. and tenable during his curriculum in the Faculty of Arts. Patron—The Earl of Morton.

23. *R. Johnstone Bursary*, of about £17, tenable for four years. Bursars must pass Preliminary Examination or its equivalent, and must attend the classes and graduate as M.A. Apply to Hope, Todd & Kirk, W.S., 19 Charlotte Square, agents of J. J. Hope Johnstone, Esq., of Annandale.

24. *The Penman Bursary*, of about £14, 10s. a year, tenable for four years. Bursar must attend the classes in the Arts curriculum. Patron—Society for Benefit of Sons of the Clergy.

25. *Pringle and Wardrop Bursary*, of about £15 a year, tenable for four years. Bursar must pass Preliminary Examination or its equivalent, and attend classes in curriculum for M.A. Apply to J. C. Wardrop, Esq., W.S., 5 Lombard Street, London, E.C.

26. *Ardvorlich Bursary*, of the annual value of about £16, tenable for four years. Open to natives of Comrie, Balquhiddy, Callander, or Killin, failing whom, to natives of Perthshire, and failing such, to the best qualified Candidate who requires aid to enable him to obtain a University education. Candidates must be examined in Gaelic. The holder must attend Arts or Science classes.

27. *Chrystie Bursary*, of about £18 a year, and tenable for four years. Candidates must pass the Preliminary Examination or its equivalent. Apply to the Clerk to the Faculty of Advocates, Parliament Square, Edinburgh, before 15th September.

28. *Miller Bursary*, of about £23, tenable for four years, open to a Student intended for the Ministry in the Church of Scotland, during his curriculum in the Faculty of Arts. Bursar must pass the Preliminary Examination or its equivalent. Apply to the Kirk Session of Kippen before 1st September.

29. *M'Diarmid Bursary*, of £10 a year, tenable for three years, restricted to natives of the County of Dumfries and Stewartry of Kirkcudbright. Apply to H. Sharpe Gordon, Esq., Dumfries.

30-32. *Three Heriot High School Bursaries*, of £30 a year, open to pupils of the High School, Edinburgh, and tenable for three years. Examination as for University open Bursaries.

33-35. *Three George Heriot Bursaries for Men* will be offered for Competition to Students matriculating at the University for the first time, after having passed the Preliminary Examination for a curriculum in Arts or Science. Each Bursary is of the annual value of £30 a year,

and may be tenable for three years. Subjects of examination:—(1) Latin; (2) Mathematics; (3) English; (4) Greek; (5) French; (6) German; (7) Italian; and (8) Dynamics, with additional papers in each subject. The Bursaries are divided into two classes: *A*.—Two Bursaries will be awarded. In this class English, Latin, Greek and Mathematics shall each have assigned to them double the marks assigned to any other subject; and *B*.—One Bursary will be awarded. In this class English, Mathematics, French, German and Italian have double the marks assigned to any other subject. Candidates in either class may select not more than five subjects of examination. The papers of all Candidates are valued in accordance with the marks in both classes. The examination papers are indicated by the figure 1 in the Time-Table of Examinations. Schedules of applications for these Bursaries may be had from the *Treasurer of George Heriot's Trust*, 20 York Place, Edinburgh, on and after 15th August, and must be returned to him not later than 15th September. Candidates are required to state in their schedules of application the subjects in which they offer themselves for examination.

36-38. *Three George Heriot Bursaries for Women*, will be offered for Competition to Students matriculating at the University for the first time, after having passed the Preliminary Examination for a curriculum in Arts or Science, one in Class A and two in Class B—subjects as in No. 35. Each Bursary is of the value of £20 a year, and is tenable for three years. Application to be made in the manner referred to in the previous paragraph. The examination papers are indicated by the figure 1 in the Time-Table.

39. *One George Heriot Bursary for Women*, of £30, tenable for one year, at St George's Training College, Edinburgh, to be awarded by competitive examination among Graduates. The subjects of examination are:—English (full marks 100), Latin (100), Greek (100), Mathematics (100), French (100), German (100). Candidates may select not more than three subjects; provided always that no Candidate will be credited with marks in any subject in which she has not obtained 25 per cent. of the total marks assigned to that subject. The papers to be taken are those set for first year open bursaries. The examination papers are indicated in the Time-Table of Examinations by the figure 1. Women-students who hold the Cambridge University Honour or Ordinary Certificates, which are equivalent to the degrees conferred on men-students, and women-students who hold the corresponding equivalents to degrees from the University of Oxford will rank for purposes of Competition as Graduates. Candidates may take as many subjects as they please; but should they fail to secure 25 per cent. of the marks allotted to a subject, the paper will be cancelled. The marks are as follows:—English, 100; Latin (Higher Grade), 100; Latin (Lower Grade), 50; Mathematics (Higher Grade), 100; Mathematics (Lower Grade), 50; Greek (Higher Grade), 100. No marks will be given for the Lower

paper in any subject where the Higher paper in that subject is also taken. Applications for Schedules for these Bursaries may be made to the Treasurer of George Heriot's Trust, 20 York Place, Edinburgh, on and after 15th August, and must be returned to him not later than 15th September.

40-43. *Four Simson Bursaries*, of the annual value of £25, tenable for three years, for Students who, having passed the Preliminary Examination, are entering on the first year of the course in Arts and are studying for the Ministry of the Church of Scotland. The examination for these Bursaries will be held in the beginning of October. For further details and subjects of examination apply to the Rev. G. T. Jamieson, D.D., Clerk to the Presbytery of Edinburgh, The Manse, Portobello.

44. *One Macdougall Bursary*, of £25 per annum, tenable for three years. Candidates must have been born within the County or City of Perth. Students undertaking to attend the Gaelic Class preferred. It cannot be held with any other Bursary or appointment yielding together upwards of £50 per annum. Apply to W. Cochrane Young, Esq., Solicitor, Perth.

45-47. *Bursaries offered by The Edinburgh Association for the University Education of Women—*

(1) *The Victoria Jubilee Bursary*, founded by His Excellency Dr Gunning, of about £30 for one year, to be held at Masson Hall. Open to a third year Student desiring to graduate in Arts or Science with Honours.

(2) *The Earl of Zetland's Bursary*, about £20 for one year.

(3) *The Houldsworth Bursary*, of about £20 for two years, open to a Student desiring to become a teacher.

These Bursaries are offered to women Candidates. The subjects of examination for 2 and 3 are the same as for the University First Year Open Bursaries, see page 76. They cannot be held along with any other Bursary or Scholarship whatsoever, and will be awarded to such Candidates as in the opinion of the Executive Committee best fulfil the conditions of the several trusts.

Apply by letter to Miss Urquhart, 6 St Colme Street, Edinburgh, for No. 1 before 15th February and for Nos. 2 and 3 before 1st September 1906.

48. *The Buchanan Society Bursaries* (available to Students—male and female—of the names of Buchanan, Macauslan, Macmillan, MacWattie and Risk), have in the meantime been suspended. The directors have, however, reserved power to award to Arts, Science, and Medical students bursaries tenable at Scotch Universities—the amounts, conditions, and periods of tenure being in the discretion of the directors. Apply to P. G. Keyden, Secretary, 186 West George Street, Glasgow.

49. *The M'Glashan Bursary* of £10 for one year, offered by the Committee of St George's Classes to the woman student who passes highest among members of the St George's Oral or Correspondence Classes completing the Arts Preliminary Examination in October with a view to Graduation. For further information apply to the Secretary, St George's Classes, 5 Melville Street, Edinburgh.

50. *The London Inverness-shire Association Bursary*, of the value of £18 a year, and tenable for three years, is open, in the first place, to natives of the County of Inverness, Gaelic (full marks 100) to be taken as an additional subject. Failing Preferential Candidates the Bursary may, with the consent of the Patrons, be awarded to the Candidate who stands highest in the Examination, and has at least obtained 50 per cent. of the available marks in Gaelic. Preferential Candidates to apply to Eric Mackay, Esq., Hon. Sec., London Inverness-shire Association, 24 Haldon Road, West Hill, Wandsworth, London, S.W.

FOR STUDENTS ENTERING THE SECOND SESSION IN ARTS.¹

Candidates may on and after 7th September obtain schedules at the Matriculation Office, University (Old) Buildings, which must be completed and returned to the Clerk of Senatus *on or before* 21st September.

See Time-Table of Examinations, pages 138-142.

1. *Tyndall Bruce Bursary*, £35 a year, for three years.

The subjects of examination are Latin, Greek, and Mathematics.

2. *Stuart Bursary*, annual value, £17, 12s., for one year.

The following subjects are prescribed for the examination in Latin and Greek:—*Latin*—Virgil, *Aen.* xii.; Horace, *Epistles*, i.; Cicero, *Pro Murena*. *Greek*—*Odyssey*, ix.-x.; Aeschylus, *Septem c. Thebas*; Thucydides, iv. Latin and Greek prose composition, and translation from books not prescribed.

Names of Candidates to be entered on or before 21st September.¹

3-5. *Three Jardine of Thorlieshope Bursaries*, of about £34 for one year, if not awarded to Candidates entering on the first Session. Preferential Candidates must enter for and undergo the Examination for Students entering on the Second Session. See Nos. 10-12, page 221.

Names of Candidates to be entered on or before 21st September.¹

6, 7. *Two Spence Bursaries*, each of the annual value of £30 for first year and £40 for second year of tenure, open to Students of either sex who, after passing the Preliminary Examination or examination accepted as equivalent thereto, have attended one Winter Session qualifying for graduation or its equivalent, and who intend to complete the course of study for the Degree of M.A. The Governors may award to any Bursar, if they shall be satisfied of his or her merit, a continuation Bursary of £50, tenable for one year, on condition that the Bursar shall for that year attend such a curriculum of study in any of the

¹ See footnote 2, p. 214.

Faculties as the Governors may approve. Two Bursaries will be awarded at each of the Scottish Universities. The next examination will take place at Edinburgh in September or October 1906. For particulars apply to Mr Henry A. Pattullo, Solicitor, 1 Bank Street, Dundee, Factor to the Trust. Schedules of application duly filled up, to be lodged on or before 1st September.

FOR STUDENTS ENTERING THE THIRD SESSION IN ARTS.¹

Candidates may on and after 7th September obtain schedules at the Matriculation Office, University (Old) Buildings, which must be completed and returned to the Clerk of Senatus *on or before* 21st September.

See Time-Table of Examinations, pages 138-142.

1. *Horsliehill Scott Bursary*, of about £34, 10s., for two years (under deduction of expenses).

2-4. *Three Jardine of Thorlieshope Bursaries*, each of about £34, for one year, if not awarded to First or Second Session Candidates. Preferential Candidates must enter for and undergo the examination for Students entering on their Third Session. See Nos. 10-12, page 221.

The subjects of examination are Classics, Mathematics, and Logic (with Psychology and History of Philosophy).

The following subjects are prescribed for the examination in Classics:—*Latin*—Virgil, *Aen.* viii., ix.; Juvenal, *Satires*, viii., x., xi., xii., xiii. (Duff's Edition); Tacitus, *Histories*, ii. *Greek*—Thucydides, iv., and Aeschylus, *Septem c. Thebas*. Latin and Greek prose composition, and translation from books not prescribed.

No special books prescribed for Mathematics, or for Logic with Psychology and History of Philosophy. Candidates should revise the lectures and text-books in these classes.

II. BURSARIES NOT RESTRICTED TO PARTICULAR YEARS OPEN IN 1906-1907.

1. *Renton Bursary* of about £19, 11s. for one year. The holder must attend one or more of the classes of Natural Philosophy, Mathematics, Chemistry, or Political Economy. Pecuniary circumstances will be taken into consideration. It cannot be held by any one under the age of sixteen or above twenty-one, or with another Bursary of the annual value of £30 or upwards. The examination is in English and Mathematics, as for the First Year Open Bursaries. See Time-Table, pages 135-138. Names of Candidates to be entered on or before 21st September.

2, 3. *Two Newton Bursaries or Prizes*, of about £23 each, tenable for two years, are awarded annually at the end of the Winter Session—one for proficiency in the Ordinary Class of Mathematics, and one in the Class of Natural Philosophy.

¹ See footnote 2, p. 214.

4. *Donald Fraser Bursary*, of about £50, for high merit in the class of Natural Philosophy, combined with proficiency in Laboratory Work, is awarded annually at the end of the Winter Session.

5, 6. *Two Lanfine Bursaries* of £35 each, and tenable for two years, will be awarded in April 1907—one in Modern Languages and Literature Honours group and one in the History Honours group. These Bursaries cannot be held with any other University Bursary or Scholarship. Subjects of Examination: In *Modern Languages and Literature*: The first two Honours papers; in *History*: Either the two Honours papers in General British History or the two in Constitutional History. Candidates will be eligible after the completion of one Academic year, or after their first Winter Session, but not later than the beginning of their fourth Academic year from the date of first Matriculation. Candidates must have attended two Classes (Ordinary or Honours) within their Honours group. Names to be entered on or before 15th March.

The attention of all Bursars in the Faculty of Arts is particularly called to the following regulation:—

“Bursars in the Faculty of Arts (to whose Bursaries special conditions are not attached) must annually attend at least two of the Classes necessary for the Degree of Master of Arts, and must present themselves at the Examinations necessary for that Degree.

“Each Fellow, Scholar, Bursar, or Prizeman, when he applies to the Factor for payment, must produce a Certificate signed by the Dean, or the Professor to whose department the Foundation is attached, attesting his regular attendance on the proper Classes, etc., or otherwise that he has fulfilled the conditions attached to the Foundation.”

Certificates, in terms of this regulation, will be given to Bursars, by the *Dean of the Faculty of Arts*, after 14th November, and at the end of the Session. In applying to the Dean for the Certificate in November, Bursars must present their Class Cards for the Session; and at the end of the Session they must present certificates from the Professors that they have attended with regularity and made progress in their studies. Payments are made by the University Factor, Sir Henry Cook, W.S., 61 North Castle Street, Edinburgh, on and after 14th November for the Martinmas payments, and on and after 18th May for the Whitsunday payments,—between 10 and 3 o'clock.

N.B.—*Bursars, Scholars, and Fellows who desire to resign should at once announce this to the Factor. They must apply to the Factor for the instalments due to them within three months after they have become payable, otherwise they will be regarded as having resigned.*

G. CHRYSTAL, LL.D.,
*Dean of the Faculty of Arts, and
Professor of Mathematics.*

EDUCATION IN MILITARY SUBJECTS

[PUBLISHED WITH THE APPROVAL AND SANCTION OF THE
ARMY COUNCIL.]

Lecturer—CAPTAIN H. M. JOHNSTONE, R.E. (*ret.*)

I. ABSTRACT OF WAR - OFFICE REGULATIONS UNDER WHICH COMMISSIONS IN THE ARMY MAY BE OBTAINED BY UNIVERSITY CANDI- DATES.

1. Commissions in the Cavalry, the Royal Artillery, the Infantry, and the Army Service Corps, may be granted each half-year on the nomination of recognised universities, or of groups of recognised universities, as indicated hereafter, to members of such universities who have fulfilled certain conditions of academic and military qualification.

2. The Scottish universities have been constituted a unit for the purpose of nomination.

3. Each university, or group of universities, will appoint a Nomination Board, to which the War Office will add one or more military members, who will have a veto on any selection. The selection of candidates by the University Boards will be made after each half-yearly examination in military subjects.

4. A candidate for nomination—

- (a) Must be between the ages of 20 and 25 on the 1st of April, or on the 1st of October, immediately preceding the half-yearly nomination for which he presents himself.
- (b) Must be unmarried.
- (c) Must be, in the opinion of the Army Council, in all respects suitable to hold a commission in the Regular Forces.

5. A candidate must—

- (a) Reside for three academic years at an approved university or college of the same.
- (b) Qualify for a degree in an approved subject or group of subjects.
- (c) Produce a certificate of good conduct from the head or other competent authority of the university, or college of the same, in which he has resided.

At the Scottish universities a candidate must have graduated after a course of study extending over three academic years.

6. Candidates may graduate in any of the subjects, or groups of subjects, current at the several universities, with the exception of Theology, Medicine, Music, and Commerce.

7. A candidate who has graduated with first-class honours in an approved subject or group of subjects, or with other distinctions recognised by the Army Council as equivalent thereto, will, if nominated, be entitled to count one year of seniority on obtaining his commission.

8. Graduation with first-class honours in the Scottish universities is defined as follows:—A first class in any honours group, or the B.Sc. degree in pure science or in engineering, provided that the diploma of the graduate certifies that he has obtained special distinction in at least one of the subjects of his final science examination.

9. A candidate for a commission in the Royal Artillery must produce evidence satisfactory to the Nomination Board that he has duly qualified in the same mathematical subjects¹ as are required in the competitive examination for entrance to the Royal Military Academy.

10. In addition to the academic qualifications specified in paragraph 5 above, a candidate for nomination must present certificates of military qualifications, practical and theoretical.

In this connection—

- (a) He will be required, in addition to the military instruction which will form part of the curriculum during his residence at the university, to be attached to a Regular unit for 6 weeks in each of 2 consecutive years, or 12 weeks in 1 year, and to obtain a satisfactory certificate as to his proficiency.¹ If the

¹ Full details of the requirements in mathematics are given in Appendix II., and of the certificates of military qualification in Appendix III. of the War Office Regulations for university candidates, copies of which may be obtained in the University office.

candidate is an officer of the Militia or Yeomanry, two trainings with his Militia or Yeomanry unit will count as equivalent to a period of 6 weeks with a Regular unit. Should a candidate be an officer in the Militia, Yeomanry or Volunteers, he should apply through his commanding officer for attachment to the Regular Forces.

If the candidate is not an officer of Militia, Yeomanry or Volunteers he should apply through the authorities of his university to the Secretary, War Office. Arrangements will then be made, firstly for his appointment to a temporary commission on the unattached list for Auxiliary Forces, and secondly for his attachment to the Regular Forces.¹ In the case of such a supernumerary or unattached officer, the compulsory provision of uniform will be limited to the provision of the service dress with sword, etc.

During these periods of attachment no candidate who is a supernumerary or unattached officer will receive either pay or allowances. Nor will any other officer be paid, unless the attachment is the equivalent of a course of instruction which he is eligible to attend with pay, under the regulations of the force to which he belongs.

- (b) He will be required to qualify in military subjects at an examination, which will be held in March and September of each year at the several universities, under instructions from the War Office.

11. The subjects² of examination, and the marks allotted thereto, will be as follows :—

		Marks.
Group A .	{ 1. Military history and strategy .	1000
	{ 2. Tactics	1500
Group B .	{ 3. Military engineering	500
	{ 4. Military topography	250
Group C .	{ 5. Military law	250
	{ 6. Military administration	250

¹ Candidates in applying for attachment to the Regular Forces should state the time during which they wish to be attached, and the unit or branch to which they wish to be attached. Their wishes will be considered as far as possible.

² Full details of the subjects of examination are given in Appendix IV. of the War Office Regulations for university candidates, copies of which may be obtained in the University office.

Candidates who so desire may take up the examination in two parts. For this purpose the subjects are divided into groups as shown. Either A or B may be taken first. C cannot be taken alone, but must be taken with either A or B.

To qualify, a candidate must obtain .4 in each subject, and .6 in the aggregate of all the subjects.

A candidate who fails to qualify in one subject only must be re-examined in that subject.

If he fails to qualify in more than one subject he must be re-examined in all the subjects taken at that examination.

12. Notice will be given from time to time of the number of commissions which will be allotted to university candidates, and of the proportion assigned to each nominating unit.¹

If any university, or group of universities, on the recognised list shall not be able in any half-year to fill up the number of commissions allocated to it, such unallocated surplus will be at the disposal of the Army Council, to be allocated to any other university, or group of universities, in such list, which may have qualified candidates over and above the number originally assigned to it.

To provide for such contingencies, any said university, or group of universities, may prepare a supplementary list of qualified candidates both for ordinary commissions and for antedated commissions.

13. The candidates nominated each half-year will be arranged in one list, as follows:—

One name will be taken successively from the list of nominations of each university.

Honours men who are entitled to antedated commissions, under paragraph 7, will take precedence before all other candidates.

MEDICAL INSPECTION.

14. The selected candidates will be examined by Medical Boards in London, Dublin, and Edinburgh, and no candidate will be accepted unless recommended by this Medical Board as physically fit for His Majesty's Service.²

¹ *Under present arrangements the following Commissions will be allotted each half-year to the unit constituted by the Scottish Universities, viz. :—*

(a) *Five Commissions in the Cavalry, Brigade of Guards, or Infantry of the Line.*

(b) *One Commission in the Royal Artillery.*

(c) *One Commission in the Indian Army.*

² The general conditions as to height, weight, chest measurement, eyesight, etc., etc., required, are given in Appendix I. of the War Office Regulations for university candidates, copies of which may be obtained from the University Office. The Boards have, however, discretionary power to recommend a candidate slightly below one or

Candidates who are pronounced unfit will be allowed to present themselves for re-examination by an Appeal Board which will assemble in London a few days later. The decision of the Appeal Board will in all cases be absolutely final.

PRELIMINARY MEDICAL EXAMINATION.

15. It is suggested that a candidate before commencing his course of study should undergo a thorough medical examination. By such an examination any *serious* physical disqualification would be revealed, and the candidate probably spared expense and the mortification of rejection.

16. Candidates may undergo a preliminary examination by a military Medical Board, not more than two years before they compete, under the following conditions :—

- (a) Applications must be addressed to the Secretary, War Office, 68 Victoria Street, London, accompanied by a fee of two guineas. (Cheques, etc., should be made payable to the Director of Army Finance, War Office.)
- (b) Instructions will be issued for the examination to take place at the military station where a Medical Board can be held, nearest the candidate's residence. The result will be notified to candidates by the Board.
- (c) Candidates must pay their travelling expenses.
- (d) Candidates found unfit by the preliminary Medical Board are not bound to accept its finding, but may, *at their own risk*, continue their studies, and if nominated may then submit themselves for medical examination by the *final* Medical Board.
- (e) It must be distinctly understood that passing such preliminary Medical Board is solely for the candidate's information, and would give him no sort of claim to be accepted as physically fit when he is nominated by the University Board. His acceptance will depend entirely upon the report of the final Medical Board, which examines nominated candidates. Candidates may be fit for the service at the preliminary examination, but may become disqualified by some subsequent physical deterioration.

other of these conditions in a case in which they are satisfied that he will fulfil them within six months. A candidate so recommended will be re-examined at the end of six months, and will not be granted a commission unless he has attained the standard required according to his age. No relaxation, however, of the eyesight qualification will be allowed.

II. REGULATIONS FOR THE TRAINING IN MILITARY SUBJECTS AT EDINBURGH UNIVERSITY, AS APPROVED BY THE WAR OFFICE.

(1) During each of the three years of his Degree Course the student shall attend the newly-instituted Course of Military Lectures held each Winter Session.¹

(2) He shall be a member, during the whole time,² of the University Volunteer Infantry Company, or of the University Volunteer Battery of Artillery; shall serve in one or other of these both as a private and as a N.C.O.; and shall obtain a certificate of proficiency as a Sergeant, and certificates for Riding and Signalling.

(3) During the second and third years he shall serve as a cadet for twelve weeks with a Unit of the Regular Army, either six weeks in each year or twelve weeks in the third year.

(4) He shall at the end of the Degree Course, having obtained his Degree, undergo a qualifying Examination in Military Subjects. This Examination is set by the War Office, and will usually be the Examination, held in September of each year, for Militia Officers competing for Army Commissions. The Graduate does not *compete*; he *qualifies* by obtaining a certain percentage of marks, and obtains from the War Office a certificate of his qualification.

(5) He then appears in person before the Scottish University Board of Selection, and presents his Certificates as follows:—Birth, Character, Graduation, Proficiency as Sergeant, Rider and Signaller,³ Certificate from the Military Lecturer that he has duly performed the work of the Military Course of Lectures, the War Office Qualification Certificate as in (4), Report from O.C. University Volunteers as to his efficiency and qualifications generally, and a Certificate of Proficiency from the Commanding Officer of the Regular Unit with which he served.

There are therefore two branches of study.

1. Attendance at the military lectures.
2. Practical drill and field training.

¹ The case of students appearing before the Board of Selection in 1906 will be considered exceptional, if the Regulations have been followed as far as possible.

² That is, up to the time when he shall have completed the twelve weeks' attachment mentioned in next paragraph.

³ Certificate from a qualified Officer that the Candidate can read:—

1. A paragraph message of 150 letters on small flag at six words a minute
2. A paragraph message of 150 letters on lamp at six words a minute;
3. A paragraph message of 150 letters on semaphore at eight words a minute with an accuracy of 90 per cent. in each case.

III. CURRICULUM OF THE MILITARY LECTURES.

(1) MILITARY HISTORY AND STRATEGY ; 30 Lectures.

The campaign appointed by the War Office for the Examination mentioned in Regulation (4) above will be studied, along with others.

Books recommended:—Hamley's *Operations of War* ; Callwell's *Small Wars* ; German *Official Account of the South African War* ; Henderson's *The Science of War* ; Napier's *Peninsula War*, Vols. IV. to VI. ; *Wellington's Dispatches* ; von Moltke's *Franco-German War* ; Derrécagaix's *La Guerre Moderne* ; *Times' Boer War*.

(2) TACTICS and the History of Tactics ; 30 Lectures per Winter Session.

Books recommended:—Home's *Précis of Modern Tactics* ; de Gruyther's *Tactics for Beginners* ; von Boguslawski's *Tactical Deductions from the Campaign of 1870-71* ; *Combined Training* (official) ; Mayne's *Infantry Fire Tactics* ; von Trotha's *Plevna* ; Captain Johnstone's *A History of Tactics*.

(3) MILITARY ENGINEERING, the Elements of ; 8 Lectures per Winter Session.

Book recommended:—*Official Text-Book*, Parts I. and III. ; *United States' Army Official Book*.

(4) MILITARY TOPOGRAPHY ; 6 Lectures per Winter Session.

The Military Lecturer will give, towards the end of each Winter Session, some outdoor demonstrations in Topography and Tactics combined.

Books:—*Military Sketching and Reconnaissance* (official) ; *Military Topography*, Part I. (official).

(5) MILITARY LAW ; a few Lectures.

Books:—*Manual of Military Law* ; *King's Regulations* ; *Sandhurst Text-Book of Law and Administration* (official) ; Banning's *Military Law Made Easy*.

(6) ORGANIZATION ; a few Lectures.

Books—*War Establishments* (official) ; *Mobilization Regulations* (official) ; Banning's *Organization*.

The foreign books in the above statement are all translated into English.

Frequent exercises in the various subjects will be given, and there will be Class Examinations.

The Class meets on Mondays, Tuesdays and Wednesdays at 5.30 P.M., beginning on Monday, 15th October.

The fee for the Winter Course of Lectures is 3 guineas.

The Course of Military Lectures is open to any others, whether fully Matriculated Students or not, who are interested in the subject, an entrance fee of 5s. being charged in addition to the 3-guinea fee for the Course, in the case of Non-Matriculated Students. The Course is divided into five Sections, of 12 to 15 lectures each; any one or more of which may be taken at a fee of 15s. for each Section, with 5s. entrance fee if not matriculated.

Students working for a Degree may take half of the Technical Mathematics Course and the Topography Lectures in lieu of a Pure Mathematics Course for the Degree; those who take this alternative will be examined with special reference to the courses in Mathematics and Topography thus taken. The Course has been recognised by the Senatus as one in which attendance for three Winter Sessions is taken as qualifying attendance for an Arts Degree Subject; Military History having been added as a Degree Subject under History.

Candidates are recommended to take the Summer Course of Surveying given by the Professor of Engineering.

[*N.B.*—This Course consists of lectures, of practical work in the field, and of plotting work in the drawing office. The subjects dealt with include surveying with the chain and with angular instruments; levelling; the optical and mechanical principles; tests and various adjustments of surveying and levelling instruments; setting out of curves; triangulation and tacheometry.

The Class meets three times a week, and the whole of each of these days will be occupied in the work of the class from 10 to 4. The Course begins early in May, and will be completed about the end of June. Fee for the Course—3 guineas.]

IV. PRACTICAL FIELD TRAINING AND DRILL.

A. *INFANTRY.*

The candidate must be a member for the three years of his course of No. 4 (University) Company, the Queen's Rifle Volunteer Brigade, Royal Scots. (See p. 641 of *CALENDAR* for 1905-6.)

The course of training is as follows :—

1st Year.

RECRUIT DRILL—Squads are formed in November and February, but the candidate should join in November so as to have this work over by Christmas.

COMPANY TRAINING—A few drills under cover in January and February.

Field days on certain Saturdays in the Winter Session.

Marching Camp for Company training, five days in May :—

Company training includes schemes in Attack and Defence ; Advance, Rear and Flank Guards ; Outposts ; Patrols and Reconnoitring ; Shelter Trench Work ; Convoys ; Camps and Bivouacs : Lectures in the field by the officers.

RECRUIT MUSKETRY in June and July.

14 DAYS' BRIGADE CAMP in end of July.

The Queen's Rifle Volunteer Brigade furnishes one of the Battalions in the 32nd Brigade of the Field Army.

MACHINE GUN TRAINING.

SIGNALLING (Semaphore and elementary Morse).

These last two go on at the same time as Company training.

2nd Year.

COMPANY TRAINING—as above.

5 DAYS' CAMP—as above.

14 DAYS' CAMP—as above.

TRAINED SOLDIER'S COURSE OF MUSKETRY.

INSTRUCTION AND EXAMINATION for Sergeant's Proficiency Certificate.

SIGNALLING:—Flags, heliograph, lamps—take Certificate.

6 weeks with Regulars.

3rd Year.

COMPANY TRAINING AND MUSKETRY as a N.C.O.

2 CAMPS, as above, as a N.C.O.

INSTRUCTION IN WRITING ORDERS.

FIRE DISCIPLINE.

6 weeks with Regulars, or 12 if no attendance in second year. The latter is recommended.

RIDING.

Instruction can be obtained at Player's Riding School, Toll-cross, where there is a military riding master ; or by arrangement with the Cavalry at Piershill Barracks.

The candidate is recommended to spread this over at least two years.

B. ARTILLERY.

The candidate must be a member of No. 2 (University) Position Battery, 1st Edinburgh City Royal Garrison Artillery Volunteers. (See p. 642 of CALENDAR for 1905-6.)

The course of training is as follows :—

1st Year.

RECRUIT DRILL—Squads are formed in November and January. The training comprises Marching, Carbine and Gun Drill on the 4.7 B.L.Q.F.

BATTERY DRILL—Includes battery gun drill, laying out lines of fire, range taking, observing and signalling.

LECTURES ON GUNNERY.

CAMPS. Seven days' camp in May, and fourteen days' camp in July.

CARBINE PRACTICE in summer months.

2nd Year.

BATTERY GUN DRILL, LECTURES, CAMPS, and CARBINE PRACTICE as above.

SIGNALLING (Semaphore and Morse).

RIDING. Instruction along with the mounted N.C.O.'s can be obtained at Player's Riding School, Pitt Street.

INSTRUCTION AND EXAMINATION for Sergeant's Proficiency Certificate.

6 weeks with Regulars.

3rd Year.

BATTERY GUN DRILL AND CAMP as above as N.C.O.

6 weeks with Regulars—or 12 if no attendance in 2nd year.

Faculty of Science.

Dean—PROFESSOR GEIKIE, D.C.L., LL.D.

Students who do not intend to graduate may attend any of the Classes on payment of the Matriculation and the Class Fees, without having passed any Preliminary Examination. Attendance on any Class with a view to Graduation in Pure Science will not qualify unless the whole Preliminary Examination has been previously passed. Those who intend to graduate in Engineering or in Agriculture must pass the Preliminary Examination before they present themselves for any part of the First Science Examination, but not necessarily before entering on the Curriculum. The Classes in the Faculty, except a few in which arrangements have not yet been made, are open to women.

The Class Fees are collected by the Factor. For the purpose of receiving fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and fees not then paid will be taken at his Office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of The Collector of Class Fees, Edinburgh University.

See as to payment of Class Fees by Carnegie Trust, page 164.

Programme of Classes.

WINTER SESSION, 1906-1907.

The Classes meet daily (Saturdays excepted), unless otherwise stated:—

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
Mathematics ² 4.....	16 Oct., 9 o'cl.	Prof. Chrystal...	£ s. 4 4
Mathematics, Inter- mediate Honours. }	17 Oct., 11 ,,	Prof. Chrystal & C. Tweedie, }	3 3
Do., Advanced Honours..... }	17 Oct., 10 ,,		
Function Theory, (Honours Half- Course)..... }	16 Oct.,	{ J. H. MacLagan Wedderburn, M. A..... }	2 2
Mathematics, Inter- mediate Honours (Tech. Division). ³ }	17 Oct., 9 ,,		
		{ E. M. Horsburgh, M. A., B. Sc... }	3 3 ³

¹ Fees for second or subsequent attendances, see page 244.

² The first half up to Christmas qualifies as a First Half-Course, and the second half from Christmas to the end of the Session as a Second Half-Course. Any First Half-Course, along with any Second Half-Course, taken subsequently, qualifies as a full Course for Graduation.

³ First part of Course. The fee for both Winter and Summer Courses, if paid at the beginning of the Winter Session, is £5, 5s.

⁴ Ordinary Graduation Course.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
Zoology (Elementary)	16 Oct., 12 o'cl.		£ 5.
Practical Zoology	8 Jan., 12 "	Prof. Ewart.....	{ 4 4
(Elementary).....			{ 2 2 ²
Advanced Zoologi- cal Laboratory ⁷ ..	1 Oct., 10 "		{ ...
Morphology of Ver- tebrates (with Laboratory work)	8 Jan., 12 "	J. Beard, D.Sc...	{ 3 3 ²
Comparative Em- bryology.....	16 Oct., 1 "		{ 3 3 ³
Botany (Advanced)...	16 Oct., 11 "	Prof. B. Balfour {	3 3 ⁴
Prac. Bot. (Advanced)	17 Oct., 11 "		2 2 ⁴
Plant Physiology	16 Oct., 10 "	{ A. W. Borth- wick, D.Sc...	2 2 ⁴
Natural Philosophy,...	16 Oct., 11 "	Prof. MacGregor	4 4
Natural Philosophy & Applied Mathe- matics Honours Classes :			
Dynamics ⁵ (Mon., Wed. & Fri. before Xmas.)..	17 Oct., 9 "	Dr Knott.....	2 2 ⁶
Thermo - dyna- mics ⁵ (Do. after Xmas.).....	9 Jan., 9 "	Prof. MacGregor	2 2 ⁶
Electricity ⁵ (Mon., Wed. & Fri. before Xmas.)..	17 Oct., 12 "	Prof. MacGregor	2 2 ⁸
Advanced Dyna- mics ⁵ (Do. after Xmas.).....	9 Jan., 12 "	Dr Knott.....	2 2 ⁸
Applied Mathema- tics (Adv. Science, Mon., Wed., Fri.)	17 Oct., 10 "	Dr Knott.....	3 3

¹ Fees for second or subsequent attendances, see page 244.

² Besides charge of 10s. for Laboratory Expenses.

³ Five Shillings University Entrance Fee for non-matriculated students. Payment of the Entrance Fee does not entitle the student to a Class Certificate, nor confer any other University privilege.

⁴ Besides Garden Fee of Five Shillings.

⁵ Graduation Half-Course.

⁶ The Fee for both Honours Courses, if paid at the beginning of the Winter Session, is £3, 3s.

⁷ For fees, see footnote 2, page 245.

⁸ The fee for both courses, if paid at the beginning of the Winter Session, is £3, 3s.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
			£ s.
Physical Laboratory ¹⁰	16 Oct., 10 o'cl.	{ Prof. MacGregor and Dr Peddie }	{ ... ⁴
Chemistry	16 Oct., 10 ,,	Prof. Crum Brown	4 4
Chemistry (Ad- vanced Course) .. }	8 Jan., 4 ,, }	Prof. Crum Brown and Lecturers.. }	{ ... }
Chemical Laboratories ⁵	16 Oct., 9.30 to 4.30 o'cl. }		
Astronomy (Mon., Tues. Wed. Thur.) ¹² }	16 Oct., 5 ,, }	Professor Dyson.	{ 4 4
Anatomy	16 Oct., 1 ,,	{ Prof. Cunning- ham	{ 4 4
Practical Anatomy...	1 Oct., daily.		{ 3 3
Regional Anatomy (Anatomical De- monstrations)..... }	17 Oct., 9 o'cl.	{ David Water- ston, M.D... }	{ 2 2 ²
Applied Anatomy (Med. and Surg.) }	(Thrice weekly) 11 Jan., twice weekly, 4 o'cl.; once weekly, 3 o'cl.	{ Harold J. Stiles, M.B., C.M.... }	{ 1 1
Physiology	16 Oct., 10 o'cl.		{ 4 4
Pract. Physiology:—			
Experimental.....	18 Oct., 11-1 ,,	{ Prof. Schäfer, and Assistants.	{ 2 2 ⁹
Chemical.....	9 Jan., 11-12,,		{ 1 1 ⁹
Adv. Pract. Physiol.	9 Jan., 3-5 ,,		{ 2 2
Adv. Physiological Chemistry ³	16 Oct., 3-5 ,,		{ 1 1
Physiology of Re- production ¹⁰ }	March ¹¹	{ Francis H. A. Marshall, M.A., D.Sc..... }	
Geology & Mineralogy	16 Oct., 4 ,,	Prof. Geikie....	4 4
Prac. Class (Mon., Wed., & Fri.) ... }	19 Oct., 2-4 ,, }	{ Prof. Geikie and R. Campbell, M.A., B.Sc... }	{ 3 3
Dynamical and Struct. Geology. ⁸ ...	16 Oct., 4 ,,	Prof. Geikie....	2 2
Engineering, Junr., ⁶ (Mon., Wed., Fri.) }	17 Oct., 9 ,, }	{ Prof. Hudson	{ 4 4 ⁷
Engineering, Senr., ⁶ (Tues., Thur., Sat.) }	16 Oct., 9 ,, }	{ Beare	{ 4 4 ⁷

¹ Fees for second or subsequent attendances, see page 244.

² When taken along with Practical Anatomy, £1, 1s.

³ There is also a class in Experimental Physiology for women students, Fee, £2, 2s.

⁴ For fees, see footnote 1, page 245.

⁵ For fees, &c., see footnote 1, page 246.

⁶ Each Member of the Class has also to work for at least 4 hours a week in the Laboratory. Hours arranged at first meeting of Class.

⁷ Half-Course, £2 2s.

⁸ Non-Graduation Half-Course for students of Agriculture.

⁹ Besides a small charge for materials.

¹⁰ Open to all Matriculated men Students of Medicine and Science of the University.

¹¹ Three or four lectures at times to be arranged.

¹² Also practical instruction by Prof. Dyson and Dr Halem at the Observatory on Friday.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
San. Eng. & Build. Constr. (Pub. Health) (<i>Tues. and Fri.</i>).....	19 Oct., 11 o'cl.	Prof. Hudson Beare.....	£ 5. 2 2
Engineering Lab. ²	17 Oct., <i>daily</i> .		
Special Lectures on Eng. Lab. Work	19 Oct. 5 o'cl. (<i>Fridays</i>)	G. H. Gulliver, Assoc. M. Inst. M.E.....	1 1 ⁶ 8
Engineering Drawing	16 Oct., 10-4 ,,		
Lectures, Sr., <i>Mon. Junior, Thurs.</i>	18 Oct., 12 ,,	W. Hume Kerr, M.A., B.Sc....	3 3
Public Health and Sanitary Science	9 Jan., 3 ,,	Prof. Hunter Stewart	4 4
Do. Laboratory ³	17 Oct., <i>daily</i> .		
Drawing in its relation to Public Health.....	17 Oct., 11 o'cl.	W. Hume Kerr, M.A., B.Sc....	2 2
Agriculture and Rural Economy ⁷	16 Oct., 9 ,,		4 4
Do. Advanced (<i>Mon. and Th.</i>)	10 Jan., 12 ,,	Prof. Wallace ..	1 1
Garton Lectures on Colonial Agriculture (<i>Mon., Thur.</i>)	18 Oct., 12 ,,		1 1 ⁴ 6
Economics as applied to Agriculture (<i>The Polit. Econ. Class in Arts till Christmas</i>)	16 Oct., 9 ,,	Prof. Nicholson	2 2
Agricul. Chemistry	16 Oct., 2 ,,		
Do. Advanced Laboratory Work. ⁵	16 Oct., 9.30 to 4.30 ,,	Leonard Dobbin, Ph.D	3 3
Forestry	16 Oct., 4 ,,	Col. Bailey, R.E.	3 3
Agricultural Entomology (Twenty Lectures).....	8 Jan., 2 ,,	W. Fream, LL.D., B.Sc. (Lond.)	2 2 ⁴ 6

¹ Fees for second or subsequent attendances, see page 244.

² Fee for Winter Course, £6, 6s.

³ For fees, see footnote 3, page 246.

⁴ Free to all present and past students of the Agriculture Class.

⁵ In Chemical Laboratories. For fees see footnote 1, page 246.

⁶ See footnote 3, page 239.

⁷ Dairying Lectures of this Course in February and March. Fee £1, 1s. See footnote 3, page 239.

⁸ Free to students taking the full Engineering Laboratory Course.

SUMMER SESSION, 1907.*The Classes meet daily (Saturdays excepted), unless otherwise stated.*

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
Mathematics, First Graduation Half- Course ^{2 8}	1 May, 10 o'cl.	Chas. Tweedie, M.A., B.Sc.	£ s. 2 2
Mathematics, Second Graduation Half- Course ²			
Mathematics Honours, Graduation Half- Course	1 May, 9 ,,	Prof. Chrystal...	2 2
Mathematics, Inter- mediate Honours (Tech. Division) ⁵ ...	1 May, 9 ,,	E. M. Hors- burgh, M.A., B.Sc.	3 3 ⁵
Physics (<i>mainly for Students of Medicine</i>)	1 May, 12 ,,	C. G. Knott, D.Sc.	3 3
Physical Laboratory ² ..	1 May, 10 ,,	Prof. MacGregor and Dr Peddie	
Nat. Phil. and App. Math. Honours Classes:—			
Applied Mathematics (Quaternions ⁶)	1 May, 9 ,,	C. G. Knott, D.Sc.	2 2
Wave Theory	2 May, 9 ,,	W. Peddie, D.Sc.	2 2
Advanced Experimental Physics (Full Course)	1 May, 10 ,,	W. Peddie, D.Sc.	3 3 ⁷
Chemical Laboratories ⁴	1 May, 9.30 ,,	Prof. Crum Brown, and Lecturers...	2 2
Chem. (Intermediate)..	1 May, 1 ,,		
Chemistry (Advanced) (<i>Tu. & Th.</i>)	2 May, 10 ,,		1 1
Chemical History (<i>Mon. & Fri.</i>)	3 May, 10 ,,	Leonard Dobbin, Ph.D.	1 1
Chem. (Tutorial Class)	1 May, 3 ,,	Hugh Marshall,	2 2
Mineralogy and Crys- tallography	1 May, 9 ,,	D.Sc., F. R.S.	2 2
Advanced Astronomy, Spectroscopy and Astrophysics (<i>Mon., Wed., & Fri.</i>)	1 May, 5 ,,	J. Halm, Ph D.	2 2

¹ Fees for second or subsequent attendances, see page 244.² For Regulations as to Half-Courses, see footnote 2, page 238.³ For fees, see footnote 1, p. 245.⁴ For fees, &c., see footnote 1, page 246.⁵ Second part of Course. See footnote 3, page 238.⁶ The Quaternion Class meets on alternate days with the Wave Theory Class.⁷ Fee for each of the two Courses of the class, £2, 2s.; for the two, if taken together, £3, 3s.⁸ After Summer 1907 ordinary Half-Courses will be given in alternate Summers, thus—1908, Second Half-Course; 1909, First Half-Course, &c.

Classes.	Days of Opening and Hours of Attendance.	Professors and Lecturers.	Class Fees. ¹
			£ s.
Practical Anatomy.....	1 May, <i>daily</i> .	{ Prof. Cunningham & Demonstrators	{ 2 2
Anthropology.....	3 May, 1 o'cl.	Prof. Cunningham	2 2 ^{2 8}
Regional Anatomy (Anatomical Demonstrations).....	{ 1 May, 9 ,,	{ David Waterston, M.D....	{ ...
Pract. Physiol. (Histol.)	{ 1 May, 9-11 & 2-4 o'cl.	{ Prof. Schäfer, and Assistants	{ 2 2 ⁷
Advan. Pract. Histol...	{ 2 May, ⁹		{ 1 1
Geology (<i>Mon., Wed., Fri.</i>).....	{ 1 May, 4 o'cl.	{ Prof. Geikie,....	{ 3 3 ³
Field Demonstrations on <i>Saturdays</i> .	{		{ ...
Petrology (<i>Mon., Wed., Fri.</i>).....	{ 1 May, 10-12 ,,	{ R. Campbell, M.A., B.Sc..	{ 2 2
Zoology (Elementary)	{ 1 May, 12 ,,	{ Prof. Ewart.....	{ 4 4
Do. (Elementary Practical).....	{ 1 May, 10-12 ,,		{ 2 2 ⁴
Invertebrate Zoology ..	{ 1 May, ,,	{ J. H. Ashworth, D.Sc.....	{ 2 2
Do. (with Lab. Work)			{ 3 3 ⁴
Natural History Laboratory.....	{ 1 May, 10 ,,	{ Prof. Ewart.....	{ 6 6
Botany	1 May, 8 ,,		{ 4 4 ⁵
Practical Botany.....	1 May, 9 ,,	{ Prof. Bayley Balfour.....	{ 2 2 ⁵
Field Demonstrations on <i>Saturdays</i>	{		{ ...
Plant Physiology	1 May, 11 ,,	{ A. W. Borthwick, D.Sc.	{ 2 2 ⁵
Engineering Field-Work (Surveying, Levelling, &c.) (3 days a-week, 9-4)....	{ 1 May 9 ,,	{ Prof. Hudson Beare.....	{ 3 3
Engineering Laboratory	1 May, <i>daily</i> .	{ Prof. Hudson Beare	{ 6 6
Do. Drawing...	1 May, 10-4 o'cl.	{ W. Hume Kerr, M.A., B.Sc....	{ 2 2
Public Health Laboratory ⁶	{ 1 May, <i>daily</i> .	{ Prof. Hunter Stewart	{ ...

¹ Fees for second or subsequent attendances, see page 244.

² When taken with Practical Anatomy, £1, 1s.

³ This Course qualifies as a Half-Course for Graduation in Arts.

⁴ Besides charge of 10s. for Laboratory Expenses.

⁵ Besides Garden Fee of 5s.

⁶ For fees, see footnote 3, page 246.

⁷ Besides a small charge for materials.

⁸ This Class is only held, as a rule, every second year. There may be a Class in

1907. ⁹ Times to be arranged.

FEEES FOR SECOND OR SUBSEQUENT ATTENDANCES.

1. *Lecture Courses*, which qualify alike for Graduation in Science and Medicine : Second attendances on £4, 4s. Courses, £3, 3s. ; on £3, 3s. Courses, £2, 2s. ; subsequent attendances free : second attendances on £2, 2s. Courses, no reduction ; third or subsequent attendances, £1, 1s. Perpetual Tickets for initial payment, £6, 6s. No reduction for re-attendances on Practical Classes or Laboratories.

2. *Lecture Courses* which qualify both for Arts and Science : Second attendances on £4, 4s. Courses, £3, 3s. ; third or subsequent attendances, £1, 1s. ; second attendances on £3, 3s. Courses, £2, 2s. ; third or subsequent attendances, £1, 1s. ; second attendances on £2, 2s. Lecture Courses (not being Honours Half-Courses for M.A.), £1, 11s. 6d. ; third or subsequent attendances, £1, 1s. ; Lecture Courses, when fee for first attendance is less than £2, 2s., no reduction. Full Courses (being also Honours Courses for M.A.), second attendances, no reduction ; third or subsequent attendances, £2, 2s. ; second attendances on £2, 2s. Courses (being also Half-Honours Courses for M.A.), no reduction ; third or subsequent attendances, £1, 1s.

3. *Lecture Courses* not included in the curricula in Arts or Medicine : Second attendances on £3, 3s. Courses, no reduction ; third or subsequent attendances, £2, 2s. ; on £2, 2s. Courses, second attendances, no reduction ; third or subsequent attendances, £1, 1s. On Agriculture and Rural Economy, second attendance, £3, 3s. Perpetual Ticket by initial payment, £6, 6s.

4. *Courses in Engineering and Drawing.* No reduction for second or subsequent attendances.

5. *Practical Classes and Laboratory Courses.* No reduction for re-attendances.

MATRICULATION, &c. See pages 30-33.

CLASS SESSIONS.

There are Two Sessions in each year, viz. :—

I. The Winter Session, which opens on Tuesday, 16th October 1906, and closes on 28th March 1907. Practical Anatomy Rooms open on 1st October, and remain open till the end of the Winter Session. Courses in the Faculty of Medicine which qualify for Graduation in Science close on 22nd March.

The Classes meet for the last time before the Christmas Vacation on Friday, 21st December 1906, and re-assemble on Tuesday, 8th January 1907.

II. The Summer Session opens on Wednesday, 1st May, and closes on the 17th of July 1907.

The Graduation Ceremonials take place on Friday, 12th April, and Friday, 26th July 1907.

The following means are afforded for Practical Instruction:—

I. LABORATORIES.

PHYSICAL LABORATORY,¹ affording Students a practical knowledge of the construction and use of physical apparatus, and the mode of conducting experimental inquiries. Open daily under the Professor, assisted by W. Peddie, D.Sc., for ordinary Students from 10 to 3 during the Winter and Summer Sessions, from 18th October and 1st May respectively, and for Advanced Students from 9 to 6 during Winter and Summer Sessions, from 2nd October and 1st May, and during the short vacations.

GEOLOGICAL AND PETROLOGICAL LABORATORY, for practical instruction in the study of Minerals, Rocks, and Fossils, and the methods of plotting and drawing geological maps and sections, under the Professor, assisted by Robert Campbell, M.A., B.Sc.

ENGINEERING DRAWING CLASS ROOM, daily, from 10 to 4, for instruction in drawing and drawing-office routine.

THE ENGINEERING LABORATORIES, open daily on and after 2nd October and 1st May for the Winter and Summer Sessions respectively, from 10 to 5, for practical instruction in the processes employed by the Engineer in the Experimental Determination of the Physical and Economical Constants of Materials, Machines, and Prime Movers.²

PRACTICAL INSTRUCTION IN OFFICE AND FIELD-WORK, in connection with the Summer Course on Surveying, Levelling, &c., from 9 to 4.

ROYAL OBSERVATORY, open to Students of Astronomy on Friday evening, from 5 P.M.

ROYAL BOTANIC GARDEN LABORATORY open daily for the practical study of plants and for research, under the Professor, assisted by A. W. Borthwick, D.Sc., and W. W. Smith, M.A.

PHYSIOLOGICAL LABORATORY, for Physiological Research, and the study of Practical Physiology, open daily during the whole year, under the Professor, assisted by P. T. Herring, M.D.; Sutherland Simpson, M.D., D.Sc.; W. Cramer, Ph.D.; W. A. Jolly.

The **CHEMICAL LABORATORIES** (distinct from the Practical Chemistry Class Room) have accommodation for eighty Students. They contain the necessary equipment for a complete course of instruction in the various branches of Chemical Work and for Research. The instruction given includes the Qualitative and Quantitative Analysis of Inorganic and Organic Substances, Chemical Preparations, Metallurgy and Assaying (in the Winter Session), Gas Analysis (in the Summer Session), Physico-Chemical Measurements, and Agricultural Chemistry. The training is suited not only for Students studying for Science and Arts Degrees, or for the Examinations of the Institute of Chemistry,

¹ Fees.—Three months' Course of two hours daily, £2, 2s.; whole Academic Year, two hours daily, £4, 4s.; whole Academic Year for hours during which the Laboratory is daily open, £6, 6s.

² Fees.—Winter Session, £6, 6s.; Summer Session, £6, 6s.

but also for persons desiring to qualify themselves as Analysts, Technical Chemists, &c.

The Laboratories¹ are open from 9.30 to 4.30 daily, during the Winter and Summer Sessions, and are under the charge of Professor Crum Brown, assisted by Leonard Dobbin,² Ph.D.; Hugh Marshall, D.Sc., F.R.S.; W. W. Taylor, M.A., D.Sc.; J. P. Longstaff, B.Sc.; Thomas F. Cowie; and C. Norman Kemp. A member of the staff is in attendance at the Laboratories daily from 10 A.M. till noon during the week preceding the opening of the Winter Session (but not on the Saturday), and students who intend beginning their Laboratory work are requested to call and consult him regarding the arrangements.

The Chemistry Department will be closed on 22nd March and 17th July for the Winter and Summer Sessions respectively.

DISSECTING ROOMS, open daily under Professor Cunningham, assisted by David Waterston, M.A., M.D., C.M.; E. B. Jamieson, M.B., Ch.B.; L. Turton Price, M.B.; David Brown, M.B.; Wm. Gemmill, M.B.; and other assistants. Open 1st October and 1st May, and remain open till the end of the Winter and Summer Sessions respectively.

ZOOLOGY LABORATORIES,² for research and for study of the structure and development of Invertebrate and Vertebrate forms, open daily on and after 16th October and 1st May for the Winter and Summer Sessions respectively, under the Professor, assisted by J. Beard, D.Sc.; J. H. Ashworth, D.Sc.; D. W. Henderson, M.A.

PUBLIC HEALTH INSTITUTE, Warrender Park Road, for Laboratory Work for Candidates for qualifications in Public Health and for bacteriological research, open daily, under the Professor, assisted by J. Buchanan Young, M.B., D.Sc. (Public Health). Open 16th October and 1st May for the Winter and Summer Sessions respectively.³

II. MUSEUMS. See pages 62-65.

¹ Fees.—*Whole-day*—Winter Session, £10, 10s.; Oct.-Dec., or Jan.-March, or Summer Session, £5, 5s. *Half-day*—Winter Session, £6, 6s.; Oct.-Dec., or Jan.-March, or Summer Session, £3, 3s. Preference will be given to Students in the above order. Intending Students should make early intimation of their wish to obtain places in the Laboratory as the accommodation is limited.

² Fees.—Winter Session, £10, 10s.; Summer Session, £6, 6s.

³ Fees.—*Whole-day*.—Winter Session, £10, 10s.; or Oct.-Dec., or Jan.-March, or Summer Session, £5, 5s. *Half-day*—Winter Session, £6, 6s.; Oct.-Dec., or Jan.-March, or Summer Session, £3, 3s. Preference will be given to Students in the above order.

Courses of Lectures.

1906-1907.

I.—PURE SCIENCE.

I. MATHEMATICS.

PROFESSOR CHRYSAL.

CHARLES TWEEDIE, M.A., B.SC.,
ELLICE MARTIN HORSBURGH, M.A., B.SC. } *Lecturers.*

For Synopses of Lectures, see under Faculty of Arts.

II. ZOOLOGY, including COMPARATIVE ANATOMY.

PROFESSOR EWART.

For Synopses of Lectures on Zoology and of Courses on Practical Zoology, see under Faculty of Medicine.

COMPARATIVE EMBRYOLOGY.

J. BEARD, D.SC., *Lecturer.*

The Course consists of Lectures and Practical Work.

Lectures.—The following subjects will be dealt with:—Conjugation and sexual reproduction, the maturation, &c., of the egg and spermatozoon, the modes of formation of the germinal layers in a series of selected types, the development of Scyllium or Raja, Amphioxus and Rana as a basis for general Vertebrate Embryology, the organogeny of the chief systems of organs in the Vertebrata, the evolution and comparative development of the placenta. A few lectures will be given on the general principles and theory of Comparative Embryology, the recapitulation theory, the nature of larval forms on genetic variation, and the nature and course of Heredity.

Practical Work.—Each member of the Class will have an opportunity of preparing for himself and studying a series of preparations to illustrate the development of Salmo, Rana, Gallus, and other forms. In addition, an extensive series of preparations of Raja, Scyllium, Torpedo, and Lacerta, &c., and of certain Invertebrate forms will be available.

In the Laboratory Work members of the Class may confine their studies to one particular type, or to some selected branch, such as Mammalian Embryology.

Books for reference.—Marshall's "Vertebrate Embryology"; Hertwig's "Embryology of Man and the Higher Vertebrates"; Korschelt und Heider's "Vergleichende Embryologie der Wirbellosenthiere"; and E. B. Wilson's "The Cell."

MORPHOLOGY OF THE VERTEBRATA.

A Course of twenty-five Lectures on the Morphology of the Vertebrata; the nervous system and its sense organs and the genito-urinary system receiving particular attention.

As far as time permits the question as to the morphological nature of the vertebrate head and skeleton will be discussed.

INVERTEBRATE ZOOLOGY.

J. H. ASHWORTH, D.SC., *Lecturer.*

A Course of twenty-five Lectures on the Morphology of the Invertebrata. This year the Lectures will be on the Mollusca, Echinoderms, and Arthropoda. In the Laboratory members of the class will study types selected from the above-named groups.

III. BOTANY.

PROFESSOR BAYLEY BALFOUR.

Winter Session, 1906-7.

Lectures.—A Course of advanced lectures and advanced work in the Botanical Laboratory is provided for.

Summer Session, 1907.

This Course is the same as for Students of Medicine with additional Laboratory work.

PLANT PHYSIOLOGY.

A. W. BORTHWICK, D.SC., *Lecturer.*

A Course of Lectures and Practical Demonstrations will be given at the Royal Botanic Garden in the Winter and the Summer Sessions.

IV. NATURAL PHILOSOPHY AND APPLIED MATHEMATICS.

PROFESSOR MACGREGOR.

C. G. KNOTT, D.SC., *Lecturer on Applied Mathematics.*

WILLIAM PEDDIE, D.SC., *Lecturer on Experimental Physics.*

For Synopses of Courses see under Faculty of Arts.

The ordinary Natural Philosophy Class, with fifty hours of practical work in the Laboratory, qualifies for the first B.Sc. Examination. No additional fee is charged for the practical work.

The Honours Classes in Dynamics and Thermodynamics qualify as Half-Courses for the first stage of the final Examination in Pure Science.

The Honours Classes in Advanced Dynamics and Physical Applications of Quaternions, each of the two Courses of the Honours Classes in Electricity and Wave Theory, the Senior and Advanced Practical Classes, and the Advanced Astronomy (Theoretical) Class (if not taken as part of the subject of Astronomy), qualify as Half-Courses for the second stage of the Final Examination in Pure Science. The Honours Class of Advanced Experimental Physics constitutes a Full Course qualifying for the second stage.

APPLIED MATHEMATICS.

C. G. KNOTT, D.SC., *Lecturer.*

Honours Courses on Dynamics, Elasticity, Hydrodynamics, Thermal Conduction, Quaternions, etc., are as indicated in the foregoing Section ; for Dynamics Course in Applied Science, see below under Engineering, p. 267.

V. CHEMISTRY.

PROFESSOR CRUM BROWN.

LEONARD DOBBIN, PH.D., HUGH MARSHALL, D.SC., F.R.S., and
W. WHITE TAYLOR, M.A., D.SC., *Lecturers.*

The Graduation Course in Chemistry for the First Science Examination consists of the Course of Lectures described under

Faculty of Medicine, together with a Quarter-Course in the Chemical Laboratory. [Attendance on the Class of Practical Chemistry no longer qualifies for graduation in Science and Arts.]

INTERMEDIATE COURSE (ORGANIC AND INORGANIC).

PROFESSOR CRUM BROWN, and *Lecturers.*

This Class meets at 1 P.M. daily during the Summer Session. It is intended for Science Students taking chemistry as a subject of their Final Examination.

ADVANCED COURSES.

DR TAYLOR, *Lecturer.*

Winter Session.—The Class meets at 4 P.M. three times weekly during the second half of the Session. The Subject proposed for 1906-7 is "Selected Chapters of Physical Chemistry."

Summer Session.—The Class meets on Tuesdays and Thursdays, and on alternate Wednesdays at 10 A.M. throughout the Session. The Subjects proposed for 1907 are "Stereochemistry" and "Relations between Physical Properties and Chemical Composition and Constitution."

These Classes are qualifying Half-Courses in Chemistry for students who intend to present themselves for the Final Science Examination in Chemistry on the Higher Standard.

LABORATORY.

In the Laboratory, Students who can attend several hours daily are engaged in one or more of the following branches of practical work :—(a) The Experimental Study of Chemical Changes ; (b) Chemical Analysis (including Mineral Analysis, Organic Analysis, Gas Analysis, and Assaying) ; (c) the Preparation of Pure Substances, and the Examination of their Physical and Chemical Properties ; (d) Physico-chemical Observations and Measurements. Students who are sufficiently advanced in such practical work may engage in original investigation under the superintendence of the Professor and Lecturers.

As the accommodation in the Laboratory is limited, intending students are recommended to make early application for places.

CHEMICAL THEORY AND HISTORY OF CHEMISTRY.

DR DOBBIN, *Lecturer.*

The subjects vary from year to year. They include historical matters, and discussions of the more important chemical theories which are at present productive or which have been superseded. The Class meets on Mondays and Fridays, and on alternate Wednesdays at 10 A.M., during the Summer Session. The Subject proposed for the Summer of 1907 is "History of the Discovery and Chemical Investigation of Gases."

This Class is a qualifying Half-Course in Chemistry for students who intend to present themselves for the Final Science Examination in Chemistry on the Higher Standard.

MINERALOGY AND CRYSTALLOGRAPHY (ADVANCED).

DR HUGH MARSHALL, *Lecturer.*

Daily, at 9 A.M., beginning Wednesday, 1st May. Fee, £2, 2s.

The earlier part of the Course will be on Physical Crystallography generally, including the optical and other properties of crystalline substances and the geometrical properties of crystals. The latter part will deal specially with those portions of Systematic Mineralogy not included in the earlier section, and with the Descriptive Mineralogy of minerals which are important from a geological or a chemical point of view. Some of the meetings will be devoted to Elementary Practical Work and Demonstrations. A previous knowledge of Mineralogy and Crystallography is not necessary for Students attending this Class.

VI. ASTRONOMY.

PROFESSOR DYSON.

(Sixty Lectures, and, on different days, Twenty Meetings of two hours each for Observatory work.)

The Lectures will be delivered on Mondays, Tuesdays, Wednesdays, and Thursdays in the University.

The Course of Lectures will be divided into two sections, the first of which will comprise General and Spherical Astronomy and the Theory of Astronomical Instruments, and the second Elementary Celestial Mechanics including the computation of the Orbits and Ephemerides of Comets, Double Stars, etc.

Instruction in the use of portable and fixed astronomical instruments will be given, throughout the Session, at the Royal Observatory, Blackford Hill, on Fridays from 5-7 P.M. Attendance at these demonstrations is obligatory on all who take Astronomy as a qualifying course for graduation.

ADVANCED ASTRONOMY.

DR J. HALM, *Lecturer.*

This Course will consist of 60 hours' lectures and practical demonstrations on selected problems of Spectroscopy and Astrophysics, including the Theory and Use of Spectroscopic Instruments, Determination of Wavelengths, and the Applications of Optical and Thermodynamical Laws to Cosmical Physics. The aim of the course is to make the student familiar with the theoretical and practical methods of astrophysical research, and with the present state of development of physical astronomy. The Class will meet three times weekly, for two hours, at the Royal Observatory, Blackford Hill.

VII. HUMAN ANATOMY, including ANTHROPOLOGY.

PROFESSOR CUNNINGHAM.

For full Synopsis of Lectures on Anatomy and for Course of Practical Anatomy, see under Faculty of Medicine.

ANTHROPOLOGY.

If a sufficient number of Students express their intention of selecting Human Anatomy, including Anthropology, as a subject for the Degree of B.Sc., the Professor of Anatomy will deliver, during the Summer Session, a course of twenty-five Lectures on Physical Anthropology. Members of the Class are trained in Anthropometrical methods. Fee, £2, 2s. ; or for Students who take the Summer Course of Practical Anatomy, £1, 1s.

VIII. PHYSIOLOGY.

PROFESSOR SCHÄFER.

For Synopsis of Lectures, and Elementary Courses of Practical Physiology and Histology, see under Faculty of Medicine.

ADVANCED PRACTICAL PHYSIOLOGY.¹

This Course is devoted to Experimental and Chemical Physiology and Histology of a more advanced nature than that of the ordinary course of Practical Physiology. It is assumed that those who propose attending this Course have already attended the Elementary Course (*or*, a similar Course elsewhere) and the Lectures. The Course is divided into three parts, viz., (1) Experimental, (2) Chemical, (3) Histological. Parts 1 and 2 are taken in the Winter Session, and occupy six hours a week. Part 3 is taken in the summer.

This Course is adapted for those preparing for Examinations in Physiology, and for those who may afterwards desire to prosecute Physiological Research.

PHYSIOLOGY OF REPRODUCTION.

F. A. H. MARSHALL, M.A. (CANTAB.), D.SC., *Lecturer*.

A short Course of Lectures on the above subject will be given in March. The Course is adapted for the requirements of Students who are preparing for the final B.Sc. examination in Zoology or Physiology, and may be attended without fee by present or past members of the Classes of Zoology or Physiology.

The Course will include the phenomena of heat and menstruation, ovulation, fertilisation, the formation and function of the corpus luterum, the internal secretions of the ovary and testicle and the factors concerned in the production of parturition and lactation.

¹ This Course is open to women students.

IX. GEOLOGY, including MINERALOGY.

PROFESSOR GEIKIE.

Winter Course.

I. CLASS OF GEOLOGY AND MINERALOGY.—Daily, at 4 o'clock. The Course embraces :—

1. *Dynamical Geology*—A discussion of the nature and causes of geological changes effected on the surface and within the interior of the earth.

2. *Mineralogy*—An account of the physical and chemical characters of minerals, and a description of some of the more important and typical species in the various mineral groups.

3. *Petrography*—A description of the various families of rocks.

4. *Tectonic Geology*—A description of the geological structure and relations of rock-masses to each other.

5. *Palæontological Geology*—An account of the nature and use of fossils in geological inquiry.

6. *Palæontology*—A description of the more important types of life represented by fossils.

7. *Historical Geology*—The history of the successive geological periods.

This Course, after Christmas, is a Half-Course qualifying for Graduation in Arts.

[*N.B.*—For Arts Students a course of twenty demonstrations of one hour each forms part of the ordinary Winter Course.

They must also attend the Field Demonstrations.]

Text-Books—"Outlines of Geology," by the Professor (*Stanford*); Hatch's "Mineralogy" (*Whittaker*); Hatch's "Petrology" (*Sonnenschein*) or Harker's "Petrology for Students" (*Cambridge University Press*). More detailed works of reference, most of which are in the College Reading-Room, are recommended for each branch of the lectures.

II. CLASS OF PRACTICAL MINERALOGY AND GEOLOGY.—Two hours (2 to 4), on Mondays, Wednesdays and Fridays, under superintendence of the Professor.

III. FIELD DEMONSTRATIONS.—Short excursions are made on Saturdays to places of geological interest near Edinburgh, when the Class Lectures are illustrated by demonstrations in the field, and practical instruction is given in Geological Surveying.

These Field Demonstrations are open to Students attending either the Class Lectures or the Practical Class.

Adjoining the Class-room is a small Museum exhibiting the characters of minerals and rocks, and the typical fossils of the different geological systems.

Summer Course.

The following subjects are dealt with in this Course :—

1. *Petrography*.—(The lectures are illustrated by demonstrations in the Laboratory and the Class Museum.)

2. *Palæontological Geology*.—(Class Museum, see above.)

3. *Tectonic or Structural Geology*.—Under this head *Dynamical Geology* is also discussed in more or less detail.

4. *Geological Surveying*.

5. *Economic Geology: application of Geology to Mining, Engineering, Agriculture, Public Health, &c.*

6. *Physiographical Geology: an inquiry into the origin of the present outlines of the earth's surface.*

Tectonic and *Physiographical Geology* form the principal portion of this Course, but no previous knowledge of Geology is required of the student—the elementary principles of the science being set forth both in the lecture-room and the field. The Class meets on Mondays, Wednesdays, and Fridays at 4, and a series of practical lessons on the study of rocks will be given at the beginning of the Session on Tuesdays and Thursdays at the same hour. The Saturdays, so far as possible, are devoted to field demonstrations, when the mode of geological mapping and section drawing is explained and illustrated. This Course is a Half-Course qualifying for Graduation in Arts.

Text-Book—"Structural and Field Geology," by the Professor (Oliver & Boyd).

PETROLOGY.

R. CAMPBELL, M.A., B.SC., *Lecturer.*

Lectures and Practical Work, on Mondays, Wednesdays, and Fridays, from 10 to 12, in Summer.

II.—APPLIED SCIENCE.

ENGINEERING.

THE ENGINEERING DEPARTMENT.

The new block of buildings for the Engineering Department, at High School Yards, was completed in the Winter Session 1905-6, and is in full occupation by the Department. This block of buildings is T-shaped. On the ground floor of the west front are provided, in addition to the entrance hall, a large laboratory for the testing of materials and a large hydraulics laboratory. In the testing laboratory there are the following testing machines :—A 100-ton machine of the usual English pattern, a 60,000-lb. machine of an American type, and a 50-ton machine of a continental type. A portion of this laboratory is specially set aside for the testing of building materials of all classes. For the new hydraulics laboratory a water tower has been constructed at the south-east angle of the building, containing at the top a cast-iron tank capable of holding 10,000 gallons, and giving a head of 65 feet above the floor level of the laboratory. Below the floor level are two large rectangular measuring tanks, and an electrically driven centrifugal pump lifts the water from these lower tanks back to the tank in the tower. The machines installed in this laboratory are water turbines of various types, and other hydraulic motors, which are all used for experimental work on the efficiency of hydraulic machines. The laboratory also contains large rectangular and other weirs and various well-known types of water meters. The floor above these two laboratories is devoted mainly to a large laboratory for Experi-

mental Mechanics, including experimental work on friction, laws of stress and strain, microscopic study of the structure of iron, steel, and alloys, calorific value of fuels, etc. The rest of the space is occupied by a class-room, which is used for advanced classes, and also as a reading-room attached to the Departmental Library. A workshop has been provided on the ground level by roofing in and connecting to the main building a site at the north-east corner between the two portions of the main building. In this workshop are examples of all the ordinary machine tools used by engineers, and gas engines, steam engines, and other motors. The back block of the T-shaped building is also divided into two floors. The lower floor forms the large lecture theatre of the Department ; complete provision has been made for experimental demonstration, and for the use of the electric lantern for illustrating lectures by slides. The upper floor, which has been arranged to have only north light, forms a large drawing office ; in connection with this drawing office provision has been made for complete instruction in the photographic work necessary in the preparation of blue prints and other reproductions of tracings.

The work of this Department includes Lectures, Drawing Office work, practical work in the Laboratories, and visits to Engineering works and manufactories, details of which are given below.

It must be clearly understood that these Classes are not intended to supersede the practical training which can only be acquired in the office or workshop during a pupilage or its equivalent. The training given in these Classes, however, will be found to be of value in enabling those who have gone through them to obtain more advantage from the opportunities afforded them during their professional pupilage or apprenticeship.

Though primarily intended to meet the wants of students who propose to devote themselves to some branch of engineering, the work of the Classes will be found to be of direct practical value to those who are training for the profession of an architect, and also to all those who propose to engage in occupations directly connected with manufacturing industry.

Courses of Study.

The following Courses are recommended for Civil Engineering Students,¹ who are preparing for the Degree of B.Sc. in Engineering :—

1st Year. — Mathematics [Intermediate Honours Class, Practical Division (Winter and Summer)], Chemistry and Chemical Laboratory, or Natural Philosophy and Laboratory.

2nd Year. — Junior Engineering, Engineering Drawing (Junior), Chemistry and Chemical Laboratory, or Natural Philosophy and Laboratory.

3rd Year.—Senior Engineering, Engineering Drawing (Senior), Applied Mathematics (Advanced Science Class), Engineering Laboratory, Geology, or other Optional Course.

The Engineering Field-Work Class may be taken in any of the Summer Sessions.

Students who are preparing for Mechanical Engineering should attend during the second and third years, classes in the Heriot-Watt College on Mechanical Engineering, and Mechanical Engineering Drawing ; and those preparing for Electrical Engineering must also attend the class of Electrical Engineering. (See Appendix I.)

I. CHEMISTRY.

PROFESSOR CRUM BROWN.

For Synopsis of Courses, see under Faculty of Medicine.

II. MATHEMATICS.

E. M. HORSBURGH, M.A., B.SC., *Lecturer.*

For Synopsis of Lectures, see under Faculty of Arts.

III. NATURAL PHILOSOPHY.

PROFESSOR MACGREGOR.

DR W. PEDDIE.

For Synopsis of Lecture and Laboratory Courses, see under Faculty of Arts.

¹ Students who have taken the Degree of B.Sc. in Engineering, and have had at least one year of training in the office of an Engineer, are eligible for appointment to the Public Works Department of the Indian Government. Full particulars as to these appointments can be obtained from Professor Hudson Beare.

IV. ENGINEERING.

PROFESSOR HUDSON BEARE.

Winter Session.

Two complete Courses of Lectures will be given in each Winter Session, and each of these complete Courses is divided into two Half-Courses. A student is permitted to attend a Half-Course of either of the two complete courses on payment of half the fee for a complete Course.

Junior Course.

Lectures.—Monday, Wednesday and Friday, 9 A.M.

Laboratory Instruction.—On two days a week, for at least two hours on each day. The hours for this will be arranged at the first meeting of the Class.

The following subjects will be dealt with in these Lectures:—

During the first half of the Course, from October to Christmas, the Materials of Construction, their Origin, Preparation, Properties and Uses; the Friction and Efficiency of Machines; Elementary Hydraulics, and Hydraulic Appliances, including the Gauging of Water.

In the second half of the Course, after Christmas, the Lectures will deal with the Strength and Elasticity of Materials, the Strength and Stiffness of Beams, Columns, and Shafts, and of Framed Structures.

Senior Course.

Lectures.—Tuesday, Thursday and Saturday, at 9 A.M.

Laboratory Instruction.—On two days a week, for at least two hours on each day. The hours for this will be arranged at the first meeting of the Class.

In the first half of the Course, from October to Christmas, the Lectures will deal with Waterworks, Drainage and Sewerage Works, and Sewage Disposal, including the Design of Earthworks and Masonry Structures required in such Engineering works.

In the second half of the Course, after Christmas, the Lectures will treat of Railways and Tramways, and of works connected with Rivers, Canals, Harbours, Breakwaters, &c.

In each Class Monthly Examinations are held, and each week unless there be an examination, a problem paper is set, to be worked out at home. The questions proposed are such as are met with in the Practice of Engineering, and the answers, being returned to the students annotated and corrected, form a body of examples for subsequent reference.

There is also a Tutorial Class held fortnightly, at which the questions set in the Problem Papers are discussed and explained.

Visits to Engineering Works and Manufactories will be made from time to time, and as far as possible, one visit will be arranged for in each month of the Session.

Summer Session.

ENGINEERING FIELD-WORK.

A course of Practical Instruction in Surveying, Levelling, Setting Out, and Calculation of Quantities, is given each Summer. The Course consists of Lectures, of practical work in the Field, and of plotting work in the Drawing Office. The subjects dealt with include Surveying with the chain and with angular instruments; Levelling; the Optical and Mechanical Principles, Tests and various Adjustments of Surveying and Levelling Instruments; Setting out of Curves; Triangulation and Tacheometry. The Class will meet three times a week, and the whole of each of these days will be occupied in the work of the Class, from 9 until 4. The Course will begin early in May, and will be completed early in July.

SPECIAL LECTURES ON LABORATORY WORK.

G. H. GULLIVER, ASSOC. M. INST. M.E., *Lecturer.*

A special Course of 20 lectures is given during each Winter Session on some branch of Experimental Laboratory Investigation. The lectures are given once a week, on Friday afternoons from 5 to 6.

The Subject for the Lectures for the Winter Session 1906-7 will be "The Microscopic Study of Iron, Steel, and Metal

Alloys." This Course is free to any student in the Engineering Department taking a full six months' Laboratory Course.

ENGINEERING DRAWING.

W HUME KERR, M.A., B.SC., *Lecturer.*

The Drawing Class will be open daily, except Saturday, from 10 A.M. to 4 P.M. Each Student is required to attend at least eight hours per week (the times of attendance to be arranged at the beginning of the Session). Every Student is, however, expected to devote additional time to the Drawing Office work. It is desirable, when possible, that Students should take the Classes of Engineering Drawing simultaneously with the Classes in Engineering, but the Junior Class may be attended by those who are preparing to enter the Junior Engineering Class in the following Session. These Classes will be found useful also to those who propose to become Architects or Surveyors. The work is arranged so as to form a Two Years' Course.

WINTER SESSION.

Junior Course.

Lectures.—

The subjects dealt with in this Course will include the following:—GRAPHICAL CALCULUS; Signs of Lines and Areas; Addition and Multiplication of Vectors; Vector and Link Polygons, and their application; Areas of Plane Figures; Centroids; Moment of Inertia; Rectification of Circular Arcs and Areas; Integration Polygon. GRAPHICAL STATICS; Moments of Forces; Bending Moment and Shearing Force Diagrams; Reciprocal Figures; Stresses in Framed Structures; Suspension Bridge and Catenary; Lines of Pressure; the Construction of the Linear Arch for Masonry and Metal Arches; Theory of the Elastic Line.

Senior Course.

Lectures.—

This Course is arranged to be as far as possible a progressive Course of Civil Engineering Design, in which the Students will apply practically the instruction they receive in the Lectures. It will include therefore the complete design throughout and

the making of working drawings of the details of girders, of steel bridges and roofs, and of structures in masonry, timber, &c. Instruction will be given in inking and colouring and in the photographic methods of reproducing tracings, &c.

Summer Session.

This is a Half-Course qualifying for the Degree, and may be taken either with that intention or as a supplementary course.

The subjects of study will be selected to suit the requirements of the class, and will be such as it has been found impossible to overtake in the Winter Courses. These will probably include:—PROJECTIVE GEOMETRY; Plans and Elevations; Sections of Solids; Interpenetration; Development; Isometric Projection. LOCI; Geometrical Loci; Point Paths; Velocity and Acceleration Curves; Valve Diagrams; Combined indicator Diagrams, Twisting Moment Diagrams; Entropy Diagrams, &c. THE SKEW ARCH; Development, Plans and Elevations; and the Design of Templates.

The conditions of work and hours of attendance will be the same as those already stated for the Winter Classes.

ENGINEERING LABORATORIES.

The Engineering Laboratories are intended to provide systematic instruction in the experimental methods which serve for determining the numerical data employed in Engineering calculations, and to familiarise Students with the Strength and other physical properties of the chief materials used by Engineers. Such instruction is valuable for two reasons. In the first place, only those who have had practical acquaintance with experimental processes can judge of the limits of accuracy of numerical data derived from experiments; and in the second place, engineers are frequently called upon to make special experiments for their own guidance, and in such cases a previous training in the art of experiments and in the methods which have been successfully adopted by others will be found to be of the utmost value.

As the Instruction in the Laboratory is, to a large extent, individual, it is possible for Students to enter at any period of the Session. Advanced Students, especially those who have already been engaged in practical work before entering the University, are encouraged to undertake original investigations on matters in relation to which Engineers still require experimental data.

A six months' Laboratory Course, with attendance during at least two whole days in the week, is a qualifying Course for the Second Bachelor of Science (Engineering) Examination.

MUNICIPAL ENGINEERING.

The attention of Students attending the Engineering Class, who propose to devote themselves to such work as falls within the scope of what is usually called Municipal or Sanitary Engineering, is directed to the Course of Lectures on Sanitary Engineering and Building Construction, which has been specially arranged for candidates for Degrees in Public Health. For full details see under Public Health, p. 271.

HERIOT-WATT COLLEGE.

In accordance with an agreement entered into between the University Court and the Governors of George Heriot's Trust for the purpose of arranging a joint curriculum of study for the degree in Engineering Science, the following classes in the Heriot-Watt College should be attended by University students preparing for the B.Sc. degree who propose to devote themselves to Mechanical and Electrical Engineering:—

MECHANICAL ENGINEERING.

PROFESSOR RICHARD STANFIELD.

Lectures—Monday, Wednesday, and Friday 11-12.

Tutorial—Thursday, 11-12.

Laboratory—Thursday, 1-4.

COURSE ON THE THEORY AND PRACTICE OF THE STEAM ENGINE AND GAS AND OIL ENGINES.

THERMODYNAMICS.—Theory of the steam-engine ; calculation of internal and external energy ; thermal efficiency ; properties and laws of steam and permanent gases ; efficiency of perfect heat-engine ; calculation of density of steam ; entropy ; adiabatic equation ; entropy diagrams ; efficiency according to the Rankine cycle ; cylinder condensation ; super-heating ; compounding, principle and advantage of.

ENGINE AND BOILER TESTING.—Calorific value of fuels ; calorimeters ; flue gas analysis ; radiation and other losses in boilers ; heat balance-sheet ; indicators and indicator diagrams ; determination of moisture in steam ; steam calorimeters ; effect of jackets ; Willans' law ; brakes ; testing indicators and gauges.

DISTRIBUTION OF STEAM.—Valves and valve gears ; Zeuner valve diagrams ; Meyer's expansion gear ; radial gears ; governors ; stability and power of governors ; link motions.

STEAM ENGINES.—Various forms ; high-speed engines ; types of compound engines ; computation of size for a given horse-power ; condensers—jet, surface, and evaporative ; steam turbines ; balancing of engines.

BOILERS.—Theory and construction of various types ; Lancashire ; multitubular ; marine ; water-tube ; economical combustion of fuel ; mechanical stokers ; grate and heating surfaces ; evaporative power ; economisers and feed-heaters ; injectors ; boiler inspection ; natural, forced, and induced draught ; super-heaters ; boiler fittings ; non-conducting compositions for boilers and steam-pipes ; steam-traps.

GAS AND PETROLEUM ENGINES.—The different cycles of operations ; various modern forms ; methods of igniting and governing ; scavenging principle ; testing gas and oil engines ; gas and oil calorimeters ; vaporisation and flash-points of petroleum ; efficiency of gas and oil engines ; producer gas, gas producers ; blast-furnace gas for motive power ; starting gear.

During the above course students will carry out complete

engine and boiler tests with the experimental engine and boiler ; also gas and oil engine tests, etc.

The Engineering Laboratory is equipped with a large Compound Steam Engine and Locomotive Boiler, arranged for, and fitted with, all the necessary apparatus for most complete tests of engine and boiler economy, etc. The engine is designed to work compound or simple expansion, condensing or non-condensing, and with varying crank angles. Tanks are arranged so that the feed and condensing water can be accurately measured. A steam calorimeter is also fitted to measure the moisture in the steam supplied to the engine. Brakes and all needful indicator tackle are provided, and thermometers and gauges are attached to all essential points. Coal, gas, and oil calorimeters are also provided.

A 10 h.-p. De Laval Steam Turbine Dynamo, fitted with surface condenser and superheater, forms part of the laboratory equipment.

The large Gas Engine used for driving the machinery in the Engineering Workshop is also arranged for experimental work ; and there is a 5-brake-horse-power Petroleum Engine, fitted with all necessary appliances for making tests.

COURSE ON KINEMATICS AND DYNAMICS OF MACHINERY.

W. CAMPBELL HOUSTON, B.SC.

Lectures—Monday and Wednesday, 10-11.

Tutorial—Wednesday, 11-12.

Laboratory—Monday, 2-4.

KINEMATICS OF MACHINES.—Definition of a machine ; higher and lower pairing ; relative linear and angular velocity of mechanisms ; instantaneous centre ; rolling contact ; the theory of toothed wheels ; epicycloidal and involute teeth ; cams.

DYNAMICS OF MACHINES.—Forces required to accelerate the moving parts of machines ; velocity and acceleration diagrams ; variation of crank effort in direct-acting engine with variable steam pressure ; fluctuation of energy ; variation

of speed ; fly-wheels ; effect of inertia of reciprocating parts of an engine ; the balancing of engines and machinery.

FRICTION OF MACHINES.—Friction of sliding, turning, and screw pairs ; efficiency of a machine ; belt friction ; brakes and dynamometers ; graphical solution of engineering problems.

TRANSMISSION OF POWER.—Work and energy ; estimation of work stored up in moving bodies ; moments of inertia ; elements of rigid dynamics ; centrifugal force ; strength of teeth of wheels ; belting, pulleys, &c. ; shafts.

MECHANICAL DRAWING.

Lectures—Tuesday, 3-4.

Drawing Class—Tuesday, 10-12 and 2-4 ; Wednesday, 1-4 ; Friday, 1-4.

Principles of machine design ; complete working drawings of engines, machines, or parts of machines ; making working drawings from freehand sketches and measurements of the machinery in the engineering laboratory. Working out valve motion diagrams ; inking in and colouring finished drawings ; making tracings suitable for taking photographic prints for use in the workshop.

ELECTRICAL ENGINEERING

PROFESSOR BAILY, M.A.

Lectures—Tuesday, 12-1, and Thursday, 10-11 and 11-12.

Monday, 11-12.

Laboratory—Wednesday, 1.30-3.30 and Friday, 11-1.

The subjects dealt with in the lectures include a treatment of electrical instruments for the measurement of electromotive force, current, resistance, power, etc. ; the testing of magnetic materials ; the theory of alternating currents ; the theory and construction of continuous and alternating current dynamos and motors, transformers, accumulators, arc and incandescent lamps, and other electrical appliances. A short treatment will also be given of the design of central stations, the distribution of power by electrical means, electric traction and electrical operations in factories. The lectures on Mondays, 11-12, are

devoted to a treatment of electrical theory, and apparatus and methods of measurement are dealt with in a manner suitable for electrical engineers.

In the laboratory, students work for the most part in small groups, and carry out work on the testing and calibration of instruments, batteries, lamps, electrical and magnetic materials, etc., and tests are made on the dynamos and motors in the laboratory. The laboratory contains several continuous current dynamos and motors from 50 h.-p. downwards, and a new installation of alternating current machinery, including 40 h.-p. three phase and single phase dynamos, several three phase and single phase motors, rotary convertors, transformers, condensers, etc., arranged for exhaustive testing and experimental work. A battery of 60 large cells supplies current at any required pressure, and the town mains are also available. There is a large equipment of commercial and standard instruments of all kinds for commercial and scientific testing and experimental work.

Students devote a part of the Laboratory Course to work in the Physical Laboratory, principally on Electricity and Heat ; but this arrangement may be modified, if a student is receiving the practice in Physical Laboratory work elsewhere.

V. APPLIED MATHEMATICS.

C. G. KNOTT, D.SC., *Lecturer.*

The Advanced Science Course on Applied Mathematics, of fifty Lectures, is adapted for Engineering Students. In the treatment of the subject practical applications and, in particular, graphical methods of solution will receive attention ; while the simpler processes only of the differential and integral calculus will be used. The Course will include the Kinematics, Kinetics, and Statics, of particles, rigid solids, flexible cords, and fluids ; also Strains and Elasticity and Thermodynamics.

Books recommended. — The simpler sections of Tait's *Dynamics* ; Rankine's *Applied Mechanics*.

VI. PHYSICAL APPLICATIONS ON VECTOR ANALYSIS.

This Summer Class will be found useful to Engineering Students, especially those who purpose studying Electrical Science. See outlines of Lectures under Faculty of Arts.

VII. GEOLOGY AND MINERALOGY.

PROFESSOR GEIKIE.

For Synopsis of Lectures, see Summer Course under Pure Science.

III.—PUBLIC HEALTH.

I. LABORATORY WORK.

PROFESSOR HUNTER STEWART.

(I.) CHEMICAL AND PHYSICAL WORK.

AIR.—Temperature, Maximum and Minimum Thermometers—Pressure—Reading of Barometer, and correction for Elevation and Temperature—Moisture—Dew Point by Daniell's Hygrometer and Wet and Dry Bulb Thermometers—Determination of Absolute and Relative Humidity—Quantitative Determination of Carbonic Acid.

SOIL.—Determination of Water Capacity—Porosity and Permeability of Sand and Loamy Soil—Determination of Ammonia and Organic Nitrogen in Soil, and of Carbonic Acid in Ground Air—Use of Earth Thermometers.

WATER.—Total Solid Residue and Quantitative Estimation of Lime, Magnesia, and Sulphuric Acid in a Water Residue—Chlorides—Hardness—Lead in Water (colorimetrically)—Organic Matter in terms of "Albuminoid Ammonia," Organic Carbon and Nitrogen, and as "Oxygen required"—Nitrates and Nitrites. Oxygen dissolved.

Sewage.—Composition of Sewage and of Effluents from Purification Works.

FOODS. — *Cereals, &c.* — Estimation of Albuminoids by Kjeldahl's Method, Fat by Extraction, Starch by conversion into Sugar.

Sugar, Milk, Butter and Butterine, Tea, Coffee and Cocoa, Wine, Beer, and Lime Juice, &c.

DISINFECTANTS. — Estimation of available Chlorine in Bleaching Powder—Determination of Comparative Value of different Disinfectants by lethal action on Microbes.

VENTILATION.—Determination of the amount of Carbonic Acid and of moisture in the air of an occupied room.

During this part of the Course, Laboratory Lectures are given when the rationale of the methods and the interpretation of the results are discussed.

(II.) BACTERIOLOGICAL WORK.

The subject of the Laboratory Lectures during this part of the Course consists of a consideration of:—

The Morphology and Classification of the Micro-organisms—Sterilization by Dry and Moist Heat—Disinfection—Methods of Cultivation—Methods of obtaining Pure Cultures in Solid and Liquid Media—Anærobic Micro-organisms, and the Methods for their Culture—Bacterial Products, Ptomaines and Antitoxins—Micro-organisms in Water, Air, and Soil—Removal of Micro-organisms from Water (1) on the large scale by Sand Filtration—Construction and working of Filter Beds—Theory of Sand Filtration—(2) On the small scale by Pasteur-Chamberland, Berkefeld, and other Filters—Micro-organisms in Milk—Sterilization of Milk on small and large scale—Pasteurization of Milk.

Practical work by each worker—Sterilizing all glass apparatus, *e.g.* tubes, dishes, pipettes, &c.

Preparation in all stages of the following Culture Media—Nutrient Broth, Jelly, and Agar Agar, Blood Serum, Potato Gelatine, Worts Gelatine, Glycerine Agar, Potatoes, &c.

From a mixture of several Micro-organisms to get a pure Culture of *one*.

Cultivation, staining, and microscopical examination of:—

Mould Fungi.—Penicillium—Aspergillus—Mucor.

Yeast Fungi.—Yeast—Mycoderma Vini.

Fission Fungi.—The ordinary bacteria found in Air, Water, Soil, or Milk, *e.g.* *Bacillus Subtilis*, *Mycoides*, *Megaterium*, *Proteus*, *Lactic Acid*, *Prodigiosus*, *Micrococcus Aurantiacus*, *Ureæ*, &c.; and also the following pathogenic forms—*Tubercle*, *Diphtheria*, *Anthrax*, *Typhoid*, *Tetanus*, *Cholera*, *Plague*, *Coli Communis*, *Enteritidis*, *Malignant Oedema*, *Symptomatic Anthrax*, *Streptococcus pyogenes*.

Bacteriological Examination in cases of Suspected Infectious disease—

(1) *In Man*.—*Tubercle*, *Diphtheria*, *Typhoid Fever*, *Plague*, *Cholera*, &c.

(2) *In Lower Animals*.—*Tubercle*, *Anthrax*, *Symptomatic Anthrax*, &c.

Cultivation of Micro-organisms in Air, in Soil, and in Water.

II. PHYSICS.

PROFESSOR MACGREGOR AND DR PEDDIE.

A practical study of the following :—

(1) *Properties of Solids and Fluids*.—Specific gravity, elasticity as exhibited under tension, torsion and flexure; laws of liquid pressure; surface tension; viscosity of liquids; variation of volume with pressure for gases and vapours.

(2) *Heat*.—Corrections of thermometers; variation of the volume of a gas with temperature; pressure of vapour in the atmosphere; boiling points; specific heat; latent heat.

(3) *Light*.—Focal lengths and magnifying powers of lenses and systems of lenses; refractive indices of solids and liquids; photometry; laws of polarization of light; rotation of the plane of polarization; spectrum analysis.

(4) *Electricity*.—Resistance of wires, electrolytes, galvanometers and batteries; determination of strength of current.

III. GEOLOGY.

PROFESSOR GEIKIE.

For Synopsis of Courses, see under Pure Science.

IV. PUBLIC HEALTH AND SANITARY SCIENCE.

PROFESSOR HUNTER STEWART.

1. Sanitary Law, specially the Public Health Act (Scotland), 1897—The English Acts—Notification of Infectious Diseases—Housing of the Working Classes—Factories—Cowsheds and Dairies—and Nuisance removal Acts, &c., Bye-laws.

2. Vital Statistics—Census, how determined—Death Rates crude, corrected and standard—Birth and Marriage Rates—Life Tables—Zymotic Death Rate—Age Rate, Case Mortality—Variations in Case Incidence and Case Mortality—Value of Vital Statistics in Public Health Work—Mortality as affected by Occupation—Sickness Rates, &c.

3. *Epidemiology*—Medicine in relation to Public Health—Immunity—Prophylaxis—Vaccination—Geographical distribution and etiology of the infectious diseases—Diseases of Animals communicable to man—Food Poisoning—Climates as determined by prevalent winds, temperature, moisture, altitude, and soil—Tropical, Temperate, and Arctic Climates.

4. Practical Sanitation—Water Supplies—Infectious Diseases Hospitals—Disinfection of clothing, dwellings, and discharges from sick—Slaughter-houses—Meat inspection—Ventilation—Sewage disposal—Hygiene of Schools—Disposal of the dead.

V. SANITARY ENGINEERING, BUILDING CONSTRUCTION, ETC.

PROFESSOR HUDSON BEARE.

(1) Site, environment, and construction of Dwellings, Sanitary fittings in houses.

(2) Water supply and distribution.

(3) Collection, treatment and disposal of Sewage and other Refuse.

(4) Air Supply, Ventilation and Warming.

(5) Nature, strength, and fitness of structural materials employed in Sanitary Works.

(6) Design of Sanitary Works, Municipal and Domestic.

VI. INSTRUCTION IN MENSURATION AND DRAWING.

W. HUME KERR, M.A., B.SC., *Lecturer.*

The Course will include the following subjects:—Scales, their Construction and Uses—Estimation of Areas and Volumes—Elements of Plane and Solid Geometry, and their application to the making of Structural Drawings from Models and Figured Sketches—The use of the Slide Rule and other Calculating instruments—Plotting of Land Surveys and Sections—Elementary Building Construction.

This Class may be attended either during the Winter or the Summer Session. A minimum attendance of 60 hours is required during the Session. The drawing office is open daily from 10 A.M. to 4 P.M. There is one Class examination.

VII. CLINICAL INSTRUCTION regarding Fevers and Infectious Diseases during three months in a recognised Hospital.

IV.—AGRICULTURE.

I a. MATHEMATICS.

PROFESSOR CHRYSTAL.

CHARLES TWEEDIE, M.A., B.SC., *Lecturer.*

Senior Classes, as for M.A. Synopsis, see Faculty of Arts.

I b. ZOOLOGY.

PROFESSOR EWART.

For Synopsis of Lectures, see under Faculty of Medicine.

I c. BOTANY.

PROFESSOR BALFOUR.

For Synopsis of Lectures, see under Faculty of Medicine.

II. NATURAL PHILOSOPHY.

PROFESSOR MACGREGOR.

For Lecture and Laboratory Courses, see under Faculty of Arts.

III. CHEMISTRY.

PROFESSOR CRUM BROWN.

For Synopsis of Lectures, see under Faculty of Medicine.

IV. AGRICULTURE AND RURAL ECONOMY.

PROFESSOR WALLACE.

1. *Definition of Agriculture.*—Aid given by the Allied Sciences.
2. *Surface Geology.*—Formation and Classification of Soils—their Physical and Chemical Properties. Importance of Organic Nitrogen. Fixation of free Nitrogen. Indications of good or bad Soils—Methods of Management and Improvement.
3. *Drainage and Cultivation.*—Practice—Advantages of Drainage—Irrigation—Wet-Warping—Mixing or Top-Dressing—Claying—Marling—Chalking—Liming—Paring and Burning—Clay-Burning. The Effect on Soils of Cultivation and the Growth of Plants.
4. *Implements and Machines of the Farm.*—Importance of their proper Construction and careful Management.
5. *Steam Cultivation.*—Advantages and Disadvantages—The “Darby” Land Digger and Agricultural Motor.
6. *Motive Powers Employed on the Farm.*—1st, Man ; 2nd, Horse ; 3rd, Mechanical Powers (Water, Wind, Compressed Air, Gas, Oil, Steam)—their Values and Advantages.
7. *Farm Servants.*—Labour and Wages—Day-work and Piece-work. Detailed and total costs of Horse and Hand Labour.
8. *Importance of Rotations.*—Different Rotations and reasons why they are adopted—Systems of Farming.
9. *Our Farm Crops* (including Grain, Root, Forage, and Hay Crops).—Selection and Cultivation : The Garton System of Plant Breeding. Prevention of Diseases.
10. *Identification of Grasses and Valuable Pasture Plants.*—

Their Characteristics and Habits—Detection of Adulterations of Seeds—Regulations to protect Farmers in buying Seeds.

11. *The Management of Permanent Pasture.*—Proper Methods of making new Pasture—its After-treatment.

12. *Weeds in Pastures* and Means of Destroying them.

13. *Silage and the System of Ensilage.*—Its Advantages, &c.—Its Suitability and Unsuitability according to Locality.

14. *Manures.*—Farm-yard Manure—Mixing, Storing, and Application—great advantage as a General Manure. Special Manures and so-called Artificial—Times and Methods of their Application. Utilization of Liquid Manure and Town Sewage.

15. *Buildings and Fences.*—Construction of Fences—General Arrangement of Farm-Buildings—best Flooring and Inside Plans and Dimensions of Byres, Cattle-Sheds, Stables, &c.—Covered Yards—Ventilation—Drainage.

16. *Live-Stock.*—Cattle, Pigs, Horses, Sheep, Poultry—Breeds of each, and suitability to Local Conditions—"Principles of Breeding." Feeding and Management—Mixtures of Food. Cost of Producing a Stone of Beef, Mutton, and Pork, showing Profit.

17. *Dairying in all its Branches*, including the suitability of surrounding Conditions—Classes of Dairy Stock, and their Management—Treatment of Milk, its Sale, its Manufacture into Cheese, Butter, &c., Sterilisation.

18. *Feeding Stuffs.*—Suitability of Common Food Substances to different Classes of Farm Stock—Purchase and disposal of the same—their Manurial Residues.

Text-Books.—Wallace's "Farm Live Stock of Great Britain," M'Connell's "Note-Book of Agricultural Facts and Figures," Fream's "Elements of Agriculture," "Rothamsted Experiments," "Soils and their Properties," and "The Soil," Hall.

Students are invited to consult the Professor at the beginning of the Session as to their plan of work.

Periodical visits will be made to suitable Farms. A Medal may be given for the best report on these excursions.

AGRICULTURE—ADVANCED COURSE.

(Fifty Meetings to extend over two Sessions.)

Lectures after Christmas—two days a week—and Excursions on Saturdays.

Section I. (alternating with Section II.).

A review of the Agriculture of the present century. The leading changes which occurred during the 19th century, with some account of their origins, causes, and effects. The shrinkage of the Agricultural Population—Farm Work and Wages. Irish migratory labour. Effect of Railway Rates on Rural Industries. The Agriculture of the following countries (with special reference to its competition with British Agriculture):—The United States of America, Argentina, Denmark, Sweden, France, Germany, Russia, and other foreign countries. The foreign market for British Live Stock and its influence on production. The practical sides of the work of the Boards of Agriculture and Fisheries for the United Kingdom and for Ireland. The systems of Co-operation for the purchase as well as the sale of Commodities as affecting Agriculture. Agricultural Banks.

The judging of Farm Animals by the American method of score cards, and a scale of points, to be undertaken both Sessions during Saturday Excursions.

(Twenty-five Lectures in one Half Session.)

Section II. (alternating with Section I.).

The position and progress of Agricultural Education in Europe and America. The chief results of the experimental work at Rothamsted (Lawes and Gilbert & Hall), Woburn (Voelcher), other local experiment centres in Britain, and at the experiment stations of some of the States of North America and countries of Europe (Germany, Italy, etc.), relative to (1) Soil investigations; (2) the uses of Manures, and the gains

and losses in fertilising matter under different systems of farming; (3) Plant Breeding (including multiple crossing by Garton and the work of Biffen, Burbank, and Hays).

Stock breeding (Mendel's law of inheritance as exemplified in the vegetable as well as the animal kingdom, recapitulation, telegony, etc. etc.). Difficulties associated with dairy management—the Milk standard. The Stocking of Farms.

(Twenty-five Lectures in one Half Session.)

THE GARTON LECTURES ON COLONIAL AND INDIAN AGRICULTURE.

(Free to present and last year's Students of Agriculture.)

PROFESSOR WALLACE.

Session 1906-7, 20 Lectures.

INDIA AND CEYLON.

Introduction.—General view of Agriculture of India, including the main features of the Presidencies and other great political divisions—Bombay, Madras, Central and North-West Provinces, Punjab, Bengal, Assam, Burmah, and Ceylon—with special reference to Geology, Soil, Irrigation, Climate, Peoples, Famines, and Chief Products.

Tillage Implements.—Indian Ploughs, Native Harrows, Hoes, Seed-drills, and Hand Implements. European Implements and their suitability or unsuitability to Indian conditions.

Cultivation and Crops.—Rotations and Mixtures. Tillage before and after sowing. Seed and Sowing. Harvesting and preparation for market. Commercial uses. Diseases and Injuries. Classification of Crops into Cereals, Pulses, Oil Seeds, Fibre, Fodder and Miscellaneous Crops, with special reference to the production of Wheat, Barley, Rice (Paddy), Maize, Millets (*Juar*, *Bajra*, and *Ragi*), and Sorghum—Gram

and Horse-Gram, Lentil, Pea, Ground Nut, Rape, Linseed, Castor-oil Plant, Sesamum—Cotton, Jute, Ramie, and Hemp—Lucerne and Guinea Grass, Sugar-cane, Tobacco, Cinchona, Tea, Coffee, Indigo, Poppy—the commoner valuable Grasses of India, and their cultivation as practised at the Allahabad Grass Farm and other military stations in Northern India—Grass Cutting—Haymaking—Silage.

Irrigation.—Land and other conditions suitable and unsuitable for Irrigation. Location and relative advantages of Canal Well, and Tank (Lake, etc.) Irrigation. Quantity of Water necessary for various crops and time of application. Water lifting appliances—The common leather bucket, the Persian Wheel, the Picotta (lever lift), and the hand scoop lift.

Manures.—Village refuse, Nightsoil, Cattle Manure, Ashes, Bones, Fish Manures, Saltpetre, Green Manure, Castor seed refuse.

Live Stock.—Characteristics of Indian Cattle — Mysore, Kistna River, Gujarat, Kankreji, Nagar, Sind, Hurrianah, Malwi, Deccan, Southern Maratha, Konkan, Kanevary, Goranea, Bagondha, Madras Red, Trichinopoli, Gir, Nellore, Kangam, and Cinhalese—value as working and milch cattle. Buffaloes—Jaffrabad, Gujarat, Nagpur, and common breeds—their general characteristics and special milking qualities. Horses and Mules. Goats and Sheep. Common Diseases of the Domesticated Animals.

EGYPT.

Introduction.—Physical features—Soil, Climate, Population. The Fellahin or cultivating class.

Irrigation.—The Rise and Overflow of the Nile—The Ancient Basin System of Upper Egypt—The Indian Canal System introduced into Lower Egypt—Drainage—The system of washing Salt Land.

Manure.—Pigeons' Dung — Ashes — Sabakh (Crude Salt-petre).

The Chief Crops.—Divided into Winter, Summer, and Autumn Crops, with special reference to Cotton, Sugar-cane, Barsim (Clover), Wheat and Barley, Maize—Rotations and Methods of Cultivation.

SOUTH AFRICA.

Political Divisions.—Cape Colony, Natal, The Transvaal, Orange River Colony, Rhodesia; their Geological, Orographical, and Land Surface Features.

Population.—British, Dutch, other White Nationalities, Black races, Labour and Wages. *

Cultivation.—Rotations—Manures—Field Crops, with special reference to Wheat, Barley, Oats, Mealies (Maize), Millet, Lucerne, Sugar-cane, Potatoes, and Root Crops—Possible development by means of Irrigation—Good and bad methods of Irrigation.

Viticulture and Fruit-growing.—Production and Exportation of Grapes, Oranges, and various tropical and semi-tropical fruits—The Wine Industry.

Live Stock.—The Wild Game—Cattle—Horses and Mules—Sheep and Goats—Ostriches, Breeding and Management—Dairying—Diseases, including Horse-sickness, Anthrax, Rinderpest, Redwater (Texas Fever), Scab in Sheep and Goats—Internal Parasites.

General prospects of South Africa as a country for immediate agricultural settlement.

[*The Garton Lectures in 1907-1908 will be devoted to Canada, Australasia, and the smaller Crown Colonies, and are free to present and last year's students of the Agricultural Class.*]

V. AGRICULTURAL CHEMISTRY.

LEONARD DOBBIN, PH.D., *Lecturer.*

The Course comprises Lectures, Demonstrations, and Laboratory work :—

1. *The Atmosphere.*—The relation of its constituents to plant life—rain, dew, fog, and hoar frost, their causes and effects.

2. *Soils.*—Origin and formation—physical and chemical processes included in the term “weathering”—inorganic and organic constituents of soils—essential elements of fertility—capillarity—relation of soils to air and moisture—work of living organisms in the soil—decay and putrefaction of vegetable matter—formation of humus—nitrification—denitrification—absorption of salts by soils—lysimetry—circumstances affecting the composition of drainage water—amelioration of soils by physical and chemical means—classification, investigation, and analysis of soils.

3. *Plants.*—Mineral and organic constituents of plants—their transformations during the life of the plant—respiration, transpiration, and assimilation—plant nutrition, and the nutritive substances derived from the soil—water culture and other methods of investigating plant nutrition—meteorological conditions affecting the health of plants—sources whence plants derive their nitrogenous constituents—symbiosis—analysis of vegetable substances.

4. *Manures.*—Their classification, composition, and characteristics—specific action and suitability for different soils and crops—economic use, and the principles regulating their application—methods of conducting manurial experiments—analysis and investigation of manures—valuation of manures, and of unexhausted fertility.

5. *Crops.*—Their composition and classification—fodder crops, their nutritive value, preservation, and digestibility—theory of rotations—crop residues and their relation to the fertility of the soil.

6. *Animal Nutrition*.—Chief constituents of the animal body—respiration—digestion—laws of flesh and fat production, and relation of food to work—nutrient ratio as a guide to feeding—animal waste—relation of food to manure—preparation of fodder—analysis and investigation of feeding stuffs.

7. *Dairy Produce*.—Composition of milk—its physical characters—diseases and sophistications to which it is liable—its analysis—butter and cheese—their composition, sophistication, and analysis—relations of chemistry to dairying.

Text-Book.—Ingle's "Agricultural Chemistry,"

Other Books Recommended.—Warington's "Chemistry of the Farm"; Hall's "Soil"; Aikman's "Manures and Manuring."

VI. GEOLOGY.

PROFESSOR GEIKIE.

For Summer and Winter Courses, see under Pure Science.

VII. VETERINARY HYGIENE.

Lectures of recognised teachers of the subject.

VIII. AGRICULTURAL ENTOMOLOGY.

Course of Twenty Lectures and Demonstrations.

W. FREAM, LL.D., B.SC., *Steven Lecturer.*

(*Free to Present and Past Students of the Agriculture Class.*)

Position of Insects in the Animal Kingdom.

Morphology and physiology of Insects, particularly in so far as such knowledge is useful in baffling attacks of insect pests. Structural modifications of the mouth, legs, and wings.

Life-history of Insects.

General principle that where the life history involves a series or cycle of changes, the measures of suppression should be directed against the weakest link in the chain. Illustrations.

Methods of insect attack, and enormous losses consequent thereon. Incidentally :—(a) Stage in the life-history of the insect at which it becomes actively injurious. (b) Period in the growth of the crop when insect injury begins. (c) Organs of the plant which are attacked.

Methods of *prevention*, as distinguished from *remedy*.

General methods of prevention or remedy, as distinguished from *special*. The former are, in the main, agricultural. The latter usually involve the application of specific insecticides, or the subjection of the crop to treatment distinct from ordinary agricultural operations.

Insecticides : composition and properties of the more important. Methods of application. Fumigation.

Mechanical appliances for the distribution of insecticides.

Inter-relationship of economic entomology and systematic botany.

Natural enemies of insects ; particularly (a) insectivorous mammals and birds, (b) other insects, (c) parasites.

Classification of insects, directed especially to the means of identifying injurious insects in their several stages.

Characters of the natural orders of insects illustrated by genera which furnish destructive species.

Special discussion of the natural orders Coleoptera, Hymenoptera, Lepidoptera, Hemiptera, and Diptera.

Convenient groupings of insects—(a) According to crop attacked ; (b) According to mode of attack.

Detailed discussion of insects injurious to crops, to forest and fruit trees, and to live stock in Britain, with methods of prevention and remedy :—*inter alia*—Wireworms, weevils, turnip-flies, bark beetles, thrips, saw-flies, sirices, surface-caterpillars, winter moths, codlin-moths, goat-moths, leopard-moths, magpie-moths, cabbage butterflies, aphides, scale-insects, mangel-flies, cabbage-flies, onion-flies, Hessian flies, wheat-midges, gout-flies, frit-flies, celery-flies, leather-jackets, ox-warble-flies, sheep's-nostril-flies, gad-flies, forest-flies, sheep-louse flies, &c. Other pests, outside the class Insecta :—as millepedes, arachnids, eel-worms. Present position of Agricultural Entomology in

Britain, &c., and remarkable advances made during recent years.

The course is profusely illustrated by carefully prepared natural specimens, the characters of which are demonstrated by the Lecturer. The instruction is further facilitated by a unique set of special coloured diagrams, from the pencil of the late Miss Ormerod.

IX. ECONOMIC SCIENCE AS APPLIED TO AGRICULTURE.

PROFESSOR NICHOLSON.

Lectures up to Christmas, see under Faculty of Arts.

X. (a) FORESTRY.

COLONEL BAILEY, *Lecturer*.

Five days a week, at 4 P.M., during Winter.

1. *Principles of Sylviculture*.—On the general lines of Dr Schlich's "Manual of Forestry," vol. ii., 3rd edition.

2. *Formation and Tending of Woods*.—On the general lines of Dr Schlich's "Manual of Forestry," vol. ii., 3rd edition.

3. *Protection of Standing Woods*.—Draining; fencing; cold winds and storms; fires; mammals and birds; insects; diseases; weeds; frost and drought; rain, hail, snow and rime; wounds. Textbook—Dr Schlich's "Manual of Forestry," vol. iv.

4. *Timber*.—Its structure, characteristics, and identification; relative form and size of stem, branches and roots; physical properties; seasoning; defects and unsoundness; durability.

5. *Utilisation of Produce*.—Uses of wood; felling; conversion; measurement and sale; harvesting of bark; fodder, fruits, and litter; impregnation; charcoal. Textbook—Dr Schlich's "Manual of Forestry," vol. v.

6. *Forest Engineering*.—Saw-mills; roads; bridges; movement of timber.

7. *Working Plans*.—General principles.

8. *Uses and Effects of Forests.*—Direct uses ; indirect effects—effects on temperature and moisture, mechanical effects.

9. *Forestry in Scotland.*—General considerations ; the financial question.

X. (*b*) EXPERIMENTAL PHYSICS.

PROFESSOR MACGREGOR.

Full Laboratory Course, see under Faculty of Arts.

X. (*c*) ENGINEERING.

PROFESSOR HUDSON-BEARE.

See Winter Course, under Graduation in Engineering.

XI. ENGINEERING FIELD WORK.

PROFESSOR HUDSON-BEARE.

See Summer Course, under Graduation in Engineering.

Graduation in Science.

I.—PURE SCIENCE.

REGULATIONS AND CURRICULA FOR DEGREES IN PURE SCIENCE.

Candidates who began attendance on qualifying Science Classes before 1st October 1892, are referred to the CALENDAR for 1895-96 or previous Calendars.

N.B.—Figures within brackets refer to the Sections of Ordinance No. 12.

[I.] Two Degrees in Science are conferred by the University of Edinburgh, viz.:—Bachelor of Science (B.Sc.) and Doctor of Science (D.Sc.). These degrees are given in Pure Science and in Applied Science.

I.—PRELIMINARY EXAMINATION.

The Preliminary Examinations in General Education are held in the Examination Hall, University (Old) Buildings, South Bridge, Edinburgh, in autumn and spring. (Time-Table, pages 323 and 324.)

Candidates may obtain Schedules at the Matriculation Office on and after 7th September 1906 and on and after 15th February 1907. The Schedules must be completed and lodged along with the Fees not later than 21st September 1906 and 1st March 1907 for the Autumn and Spring Examinations respectively.

Fee, 10s. 6d. for each appearance.

Candidates may pay the Fees personally, or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders* or by *Bank Drafts* crossed Union Bank of Scotland (Hunter Square Branch), Edinburgh, but not by cheques on private accounts. When names are not entered and Fees paid, or a Pass to the Examination obtained where the fee has been previously paid, on or before the stated dates, an additional or late entry fee of 10s. must be paid before the Candidate can be admitted to Examination. This fee will not be received after twelve o'clock of the last day but one preceding the Examination for which the Candidate desires to appear, without the express permission of the Dean of his Faculty and the subsequent sanction of the Senatus. A Candidate must enter his Name and pay the Fee, or, when the Fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear. If, after payment of the Fee, a Candidate withdraws, or fails to be present at the Examination, the Fee will not be returned, but the Candidate will be allowed to enter for Examination on one subsequent occasion without the payment of any additional Fee.

[11.] 1. Candidates before entering on the Curriculum must, unless exempted, pass a Preliminary Examination in the following subjects :¹ 2—

- (1) English.
 - (2) One of the following :—Latin, Greek, French, or German.
 - (3) Mathematics.
 - (4) One of the following :—Latin, Greek, French, or German (if not already taken), Italian, or such other language as the Senatus may approve,³ Dynamics.
2. *English* includes Grammar and Composition, and the Outlines of Geography and British History, the standard being that presently adopted for the Higher Grade Leaving Certificate of the Scottish Education Department.
 3. *Latin* and *Greek* comprise grammatical questions, translations into English from Latin or Greek authors, not previously prescribed, and translations of plain passages or easy sentences from English into Latin or Greek. The standard is that presently adopted for the Lower Grade Leaving Certificate.
 4. *French*, *German*, and *Italian* comprise grammatical, literary, and easy philological questions, translation into English from French, German, or Italian authors, not previously prescribed, and translations from English into French, German, or Italian. The standard is that presently adopted for the Higher Grade Leaving Certificate of the Scottish Education Department.
 5. *Mathematics*—A student, who, having passed the Arts Preliminary Examination, has thereafter obtained a certificate of attendance on a qualifying class of Mathematics, will not be required to pass any further examination in Mathematics as a condition of entering on the course of study for graduation in Science.
 6. Candidates may take Mathematics on the intermediate standard instead of on the higher standard,⁴ provided they also take an additional modern language on the standard of the Preliminary Examination for Degrees in Medicine, as a fifth subject.

¹ See section 5, and also additional Regulations of Joint Board of Examiners, page 522. Communications as to the Preliminary Examinations should be addressed to the *Clerk of Senatus*. But applications for exemption from Examination in respect of other Examinations than those hereafter detailed, must be addressed to the Convener of the Joint Board, University, Glasgow.

² In the case of a foreign student, whose native language is other than English, the standard required in English in the Preliminary Examination is such as the Joint Board of Examiners deems sufficient. In the case of a student, whose native language is other than European, the Senatus may accept as an alternative to Latin or Greek any other classical language, such as Sanskrit or Arabic.

³ Any Candidate who proposes to be examined in a language other than those above named, is required to apply to the Senatus for approval before 1st February or 1st July for the Spring or Autumn Examinations.

⁴ This does not apply to graduation in Engineering.

Mathematics on the intermediate standard comprises Mathematics on the lower standard—viz., (1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest; (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations; (3) Geometry—Euclid, Books I., II., and III. (or their equivalents), with easy deductions; and also (a) Euclid; Book VI., Propositions 1-19, or Geometry equivalent thereto. (b) Algebra; Quadratic Equations, Ratio and Proportion. (c) The Trigonometry of Right-angled Triangles.

No Candidate will be entitled to profess Mathematics, Natural Philosophy, or Astronomy at the Final Science Examination, unless he has passed the Preliminary Examination in Mathematics on the higher standard.

Mathematics on the higher standard comprises Mathematics on the lower standard as above, and Books IV., VI., and the first twenty-one propositions of Book XI. (or their equivalents), with deductions, Quadratic Equations, Trigonometry to the solution of Triangles inclusive, and the use of Logarithmic Tables.

7. *Dynamics* includes Elementary Statics and Kinetics of Solids, Liquids, and Gases.
8. A Candidate must pass in all the required subjects at one or not more than two Examinations, provided that he may offer himself for re-examination, as often as may be necessary, to satisfy this condition.
9. A Degree in Arts (not being a Degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court, after consultation with the Senatus, will exempt from the Preliminary Examination.
10. Attendance on any Science Class will not qualify for Graduation in Pure Science unless the whole Preliminary Examination has been previously passed.¹

BOARDS OF STUDIES, &c.

(Ordinance No. 12.)

[VI.] (1) It shall be the duty of the Senatus to determine from time to time the number of meetings of which a full course in any subject shall consist, and to report its determination to the University Court for its approval.

(2) The Senatus, with the approval of the University Court, may sanction half courses of not less than half the number of meetings which constitute a full course in the subject; but two half courses shall be held to be equivalent to a full course in such cases as the Senatus, with

¹ See Section [X.], page 291.

the approval of the University Court, may determine, and under such regulations as may from time to time be made for that purpose.

(3) It shall be the duty of the Professor and Lecturer¹ annually at the end of each winter session to submit to the Senatus a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus shall transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(4) It shall be the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Faculty of Science for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next Academical Year. The Faculty of Science shall transmit such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval.

[VII.] The provisions of the preceding section shall not apply to approved Institutions or recognised teachers outside the Town in which the University is situated; but the University Court shall not grant or continue recognition to any Institutions or teachers unless they shall be satisfied that their courses of instruction are equivalent to the courses sanctioned in the Universities of Scotland.

(Ordinance No. 42.)

II. The Commissioners statute and ordain as follows:—

(1) For the better carrying out of the purposes of Section VI., Sub-sections 1, 2, and 3, of Ordinance No. 12 [General No. 7—Regulations for Degrees in Science], the Senatus Academicus shall institute a Board or Boards of Studies consisting of Professors in the Faculty of Science, together with such Professors in other Faculties whose subjects qualify for graduation in Science, and such of the Lecturers in the University appointed under the provisions of Ordinance No. 17 [General No. 10—Regulations as to Assistants and Lecturers] as the Senatus may from time to time select.

(2) The Senatus shall appoint one of the members of such Board or Boards to be Convener thereof.

(3) It shall be the duty of such Board or Boards of Studies to consider the matters specified in the said Section VI., Sub-sections 1 and 2, of the said Ordinance, and to report their opinion on the same to the Faculty of Science for consideration before transmission by the Faculty to the Senatus.

(4) In carrying out the duty imposed upon them by the said Section¹ VI., Sub-section 3, of the said Ordinance, the Professors and Lecturers

¹ This applies to all Extra-mural Teachers in Edinburgh whose Courses have been recognised.

shall submit the schemes therein mentioned to the Board or Boards of Studies, by whom the same shall be transmitted to the Faculty of Science, who shall submit them to the Senatus Academicus, with such observations as they may think fit to make thereon.

II.—DEGREE OF B.SC. IN PURE SCIENCE.¹

- [III.²] 1. Candidates for the Degree of B.Sc. must, in the course of not less than three Academical years (*i.e.* three Winter Sessions, or two Winter Sessions, and three Summer Sessions), attend at least seven courses of instruction in the subjects included in the Science Examination which they purpose to undergo.
- 2. Three of these Courses must be in subjects prescribed for the First Science Examination, and four must be in subjects prescribed for the Final Science Examination.
- [IV.] 3. Four of the seven Courses must be taken in the University of Edinburgh. The remaining three Courses may be taken at this University or at other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of Graduation in Science, provided that the fees for attendance at an approved Institution or under a recognised teacher in Edinburgh, shall in all cases not be less than the fees exigible for the corresponding Courses in the University of Edinburgh.³
- [V.] 4. Every Candidate for a Degree in Science must produce his Matriculation Ticket for the year in which he appears for Examination or Graduation.
- 5. All Candidates, not Matriculated Students of this University, availing themselves of the permission to attend Lectures at approved Institutions or by recognised teachers in Edinburgh, must, at the commencement of each year of such attendance, enrol their names at the Matriculation Office, paying a fee of the same amount as the Matriculation Fee, and having, in respect of such payment, a right to the use of the University Library.
- [XVII.] 6. A Student who before October 1892 has completed a part of his course of study with a view to Graduation in Science under regulations in force at the time in this University, and shall thereafter complete his course of study and pass the necessary Examinations in conformity with such regulations, or with those now in force, may become a Candidate for the Degree of B.Sc.
- 7. Candidates for Graduation who have previously passed the Examinations are required to intimate to the Clerk to the Senatus their

¹ See Appointments Committee, page 166.

² Figures within brackets refer to the Sections of Ordinance No. 12.

³ Only Institutions and Teachers with the necessary staff and appliances for Theoretical and Practical Instruction in Science will be recognised by the University. A List of Universities, Institutions and Teachers at present recognised in terms of this regulation is given on the following page.

intention to graduate, and pay the Registration fee at least ten days before the date of Graduation. Those whose Examinations are not then completed are required to give such intimation at the earliest possible date, and at latest one clear day before the day of Graduation.

UNIVERSITIES AND INSTITUTIONS AT PRESENT RECOGNISED IN
TERMS OF REGULATION II. 3.

The Universities of St Andrews, Glasgow, Aberdeen, Oxford, Cambridge, Dublin, and Victoria University, Manchester. Heriot-Watt College:—Mathematics qualifying for First Science Examination; Mechanics and Physics, as equivalent to one course in Natural Philosophy, qualifying for the first B.Sc. examination in Pure Science, Engineering, and Agriculture; Chemistry and Chemical Laboratory, as qualifying for the first and final B.Sc. examination; Electricity (Pure and Applied), Engineering Lectures and Drawing, Laboratory Practice (Mechanical or Electrical), as qualifying for the degree of B.Sc. in Engineering. The Glasgow and West of Scotland Technical College; University College, London; King's College, London; The Royal Colleges of Science, South Kensington; The Owens College, Manchester; The Mason College, Birmingham; The College of Science, Newcastle-on-Tyne; The Yorkshire College of Science, Leeds; University College, Bristol; University, Liverpool; The University College, Sheffield; University College, Nottingham; The University College of North Wales, Bangor; University College of Wales, Aberystwyth; The University College of South Wales and Monmouthshire; The Queen's College, Belfast; The Queen's College, Cork; The Queen's College, Galway; The College of Science, Stephen's Green, Dublin; The School of Mines, Dublin; The Royal Agricultural College, Cirencester; The College of Agriculture, Downton; and the Veterinary Colleges of the United Kingdom; M'Gill University, Montreal; The University College of Toronto; Queen's University, Kingston, Ontario; The University of Sydney; The University of Melbourne; The University of Adelaide; Wellington College; The University of New Zealand; The University of Otago; Dalhousie College, Halifax, Nova Scotia; Stellenbosch College, South Africa; The University of Harvard; The University of Yale; The Johns Hopkins University; The Universities, and Polytechnic Schools supported and regulated or recognised by the governments of the respective Countries of Europe; Colleges affiliated (up to B.A. and B.Sc. Standards) to Universities of India; Engineering Colleges affiliated to the said Universities.

3. TEACHERS RECOGNISED UNDER REGULATION II. 3.

John E. Mackenzie, B.Sc., Birkbeck Institution, London (Chemistry).

Gregg Wilson, D.Sc., Queen's College, Belfast (Zoology, 1st B.Sc. Exam.).

J. J. Sudborough, D.Sc., Ph.D., University College, Aberystwyth (Chemistry).

James Kerr, B.Sc., Edinburgh (Chemistry, 1st B.Sc. and Final (Intermediate) Exams.).

James A. Terras, B.Sc., Edinburgh (Botany, 1st B.Sc. Exam.).

J. C. Beattie, D.Sc., and Alexander Brown, B.Sc., South African College, Cape Town, conjointly (Natural Philosophy, 1st B.Sc. Exam.).

H. H. W. Pearson, M.A., South African College, Cape Town (Botany, 1st B.Sc. Exam.).

Alexander Lauder, B.Sc., Edinburgh (Practical Chemistry).

EXAMINATIONS.

DEGREE OF BACHELOR OF SCIENCE.

For the Degree of B.Sc. there are two Examinations, conducted by written questions, as well as orally and practically.

(a) *First Science Examination.*

[VIII.] 1. The First Examination for the Degree of B.Sc. is as to the general knowledge of the Candidate on the following subjects:—

(i.) Mathematics, or Biology (*i.e.* Zoology and Botany, Lectures and Practical Work).

(ii.) Natural Philosophy.¹

(iii.) Chemistry, including Practical Work.²

2. The Examination in these subjects is the same as for the ordinary degree of Master of Arts. [The First Professional Examination (Medicine) in Zoology and Botany is not accepted as equivalent.]

3. Candidates may present themselves in any one or more of these subjects at any Examination held after they have attended a full course in the subject or subjects professed.

(b) *Final Science Examination.*

[IX.] 1. The Final B.Sc. Examination is on a higher standard in any three or more of the following subjects:—

(1) Mathematics.

(2) Natural Philosophy.

(3) Astronomy.

¹ A full course in Natural Philosophy includes at least 100 lectures, and 50 hours of practical work in the Laboratory.

² The Graduation course in Chemistry for the First Science Examination consists of the course of Lectures described under Faculty of Medicine, together with a three months' Course (half day) in the Chemical Laboratory. [Attendance on the class of Practical Chemistry no longer qualifies for Graduation in Science.]

- (4) Chemistry.
- (5) Human Anatomy, including Anthropology.
- (6) Physiology, including Histology and Physiological Chemistry.
- (7) Geology, including Mineralogy.
- (8) Zoology, including Comparative Anatomy.
- (9) Botany, including Vegetable Physiology.

2. The standard of this Examination is as nearly as possible equivalent to that of the Examination for the Degree of M.A. with Honours, where the subjects are different : and where the subjects are the same the examination is identical.

3. A subject already taken for the First Examination may be taken also for the Final Examination.

4. Candidates presenting themselves for the Final Examination must have attended four full courses of higher instruction, including practical or laboratory work, in the Subjects professed. [See below.]

5. The Final Science Examination cannot be taken sooner than one year after the Candidate has passed the First Science Examination.

[x.] If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class for examination, on condition of his passing the full Preliminary Examination within such time as the Senatus may appoint.

[xi.] A Candidate for the degree of B.Sc. is not deemed to have attended a class as part of the curriculum for that degree unless he presents a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

[xii.] The Examiners for the degree of B.Sc. have power to report that a Candidate has passed with special distinction in one or more of the subjects professed by him : and in such case a Diploma is given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

COURSES FOR FINAL EXAMINATION IN PURE SCIENCE.¹

In Mathematics and Natural Philosophy the Examination is the same as for Honours in Arts. In each of the other subjects professed, two written papers are set, namely, a *first* and a *second* paper ; and the Practical and Oral Examinations also consist of *first* and *second* parts. The second part of the Examination is of a higher standard than the first. Candidates must pass the first section of the Examination (as well written as practical and oral) in all the subjects professed. They must also pass the second section in at least one of their subjects. The following Courses of Higher Instruction in this University, (1) Intermediate and (2) Advanced, qualify for the first and second stages of the Final Examination in Pure Science :—

¹ See footnote 3, page 288.

1. Mathematics : (1) *Intermediate Course*, as for Honours in Arts. (2) *Advanced Course*, as for Honours in Arts.¹

2. Natural Philosophy : (1) *Intermediate*: Honours Classes (Half-Courses) in Analytical Dynamics and Thermodynamics, (2) *Advanced*: The Honours Classes in Advanced Dynamics and Physical Applications of Quaternions, each of the two courses of the Honours Classes in Electricity and Wave Theory, the Senior and Advanced Practical Physics Classes, and the Advanced Astronomy (Theoretical) Class (if not taken as part of the subject of Astronomy), are recognised as Half-Courses. The Honours Class in Advanced Experimental Physics is recognised as a Full Course.¹

3. Astronomy : (1) *Intermediate Course*: Winter Lecture Course, including Practical work, (2) *Advanced Course* of Theoretical Lectures, Practical Instruction on Spectroscopy and Astrophysics at the Observatory.

4. Chemistry : (1) *Intermediate Course*: One Winter Course, or two Summer Courses in the Laboratory and the Intermediate Lecture Course (Summer). (2) *Advanced Course*: Further Laboratory Work and one additional Lecture Course.

5. Human Anatomy, including Anthropology : (1) *Intermediate Course*: Six months' Lectures on Systematic Anatomy (Winter Session), with six months' Practical Anatomy. (2) *Advanced Course*: Course of Anthropology.

6. Physiology : (1) *Intermediate Course*: Six months' Lecture Course (Winter Session) and Practical Work in Laboratory (Winter and Summer Session). (2) *Advanced Course*: Laboratory Work (Winter Session).

7. Geology, including Mineralogy : (1) *Intermediate Course*: Winter Lecture Course and Practical Class. (2) *Advanced Course*: Laboratory Work, or Advanced Lecture Course—either Petrology or Mineralogy and Crystallography.

8. Zoology, including Comparative Anatomy : (1) *Intermediate Course*: Six months' Course, including Lectures on Invertebrate Zoology, and on Embryology, with Laboratory Work. (2) *Advanced Course*: Six months' Course on the Morphology of the Invertebrata and Vertebrata, and Laboratory Work.

9. Botany, including Vegetable Physiology : (1) *Intermediate Course*: *One Winter and One Summer Course* in Laboratory. (2) *Advanced Course*: Laboratory Work, with one or more Lecture Courses.

The Final Science Examinations must be completed within twelve months.

¹ Honours in Arts, in the subjects of Mathematics and Natural Philosophy, are accepted for the final Examination in Science on condition (*a*) that Candidates shall have duly entered their names as for the final Science Examination and paid the requisite fees before appearing for their Honours Examination; and (*b*) that the Examinations for Honours in Arts and the Examinations in the other subject or subjects required for the Science degree shall have been completed within twelve months.

DEGREE OF DOCTOR OF SCIENCE.

1. Graduates of this University who have held the Degree of B.Sc. for five years may offer themselves for the Degree of D.Sc. Candidates must profess one of the following branches of Science:—Mathematics; Natural Philosophy; Astronomy; Chemistry; Human Anatomy, including Anthropology; Physiology, including Histology; Geology, including Mineralogy; Zoology, including Comparative Anatomy; Botany, including Vegetable Physiology; and in this they will be expected to show a thorough knowledge.

2. Masters of Arts of this University with first or second class honours in Mathematics and Natural Philosophy under the conditions prescribed by the present Regulations for Degrees in Arts, or under the Regulations previously in force in this University, may offer themselves for the degree of D.Sc. after the expiry of five years from the date of their graduation in Arts, under the same conditions as if they held the degree of B.Sc.

3. Research Students within the meaning of the Regulations for the Encouragement of Special Study and Research and for the appointment of Research Fellows, may offer themselves for the degree of D.Sc. of the University in which they have prosecuted some special study or research, although they have not taken the degree of B.Sc. or the degree of M.A. with honours as aforesaid, in that University; provided—

(1) That they hold the degree of Bachelor of Science or Bachelor of Medicine of a Scottish or any recognised University, or a degree of any such University, which the Senatus shall hold equivalent to the degree of B.Sc. or to the degree of M.A. with first or second class honours in Mathematics and Natural Philosophy; provided that Candidates who hold any such degree from a University outside the United Kingdom may be required, if the Senatus think fit, before beginning their course as Research Students with a view to the degree of D.Sc., to pass an examination equivalent to an Honours or to a Final Science examination in a group of subjects cognate to their line of work as Research Students.

(2) That they have spent not less than two winter sessions or an equivalent period as Research Students in the University granting the degree, and that they produce evidence of satisfactory progress in the special study or research undertaken by them during that period.

(3) That a period of not less than five years shall have elapsed from the date of the graduation required in sub-section (1) of this section.

4. All Candidates for the degree of D.Sc. shall present a Thesis or a published Memoir or Work, to be approved by the Senatus on the recommendation of the Faculty of Science; provided that, if required by the Senatus, the Candidate shall also be bound to pass such

an examination conducted orally or practically, or by written papers, or by all of these methods, on the subjects of his special study or of his Thesis, as may from time to time be determined. The Thesis shall be a record of original research undertaken by the Candidate, and shall be accompanied by a Declaration, signed by him, that the work has been done and the Thesis composed by himself.

The Thesis must be lodged with the *Dean of the Faculty of Science* and the fees paid on or before 1st December.

5. Notwithstanding and in supplement of the Regulations as to Examinations, the *Senatus Academicus* shall appoint such Professors or Lecturers as it may think suitable to conduct the examination of candidates who may offer themselves for the degree of D.Sc., and the University Court shall, after consultation with the *Senatus Academicus*, appoint an additional Examiner to act along with them. Such additional Examiner shall be a person of recognised eminence in the subject of the thesis, or memoir, or work which is to be submitted for approval. The result of the examination shall be reported to the appropriate Faculty or Committee of *Senatus*.

6. The degree of D.Sc. shall in no case be conferred on persons who have not satisfied the conditions hereinbefore set forth, and shall not be conferred *honoris causa tantum*.

7. The fee for examination for D.Sc. is £10, 10s.; for re-examination, £5, 5s.

REGULATIONS FOR SPECIAL STUDY AND RESEARCH AND FOR APPOINTMENT OF RESEARCH FELLOWS.

I. The *Senatus*, with the approval of the University Court, may make regulations under which graduates of Scottish Universities, or of other Universities recognised by the University Court, or other persons who have given satisfactory proof of general education and of fitness to engage in some special study or research, may be admitted to prosecute such study or research in the University.

II. It is the duty of the *Senatus* in each University—

- (1) To receive and decide upon all applications for admission to prosecute special study or research.
- (2) To prepare a list of all persons admitted as Research Students.
- (3) To make regulations for the supervision of their work.
- (4) To satisfy themselves from time to time that the Research Students are carrying on their work in a satisfactory manner.
- (5) To suspend or exclude from any course any student whose conduct or progress is unsatisfactory.

III. Every applicant must send in to the *Senatus* a written application stating any degree or other distinction he has obtained, the line of study or research he wishes to prosecute and the probable period of its duration, together with evidence as to his character, capacity, and general qualifications.

IV. Any application shall be in the first instance referred by the Senatus to the appropriate Faculty, or to a Committee appointed by the Senatus; one member of the Committee shall always be a Professor or Lecturer within whose department the proposed line of study or research falls. No applicant shall be recommended by the Faculty or the Committee who has not satisfied them by examination or otherwise that he is qualified to prosecute the proposed line of study or research, and further—

- (a) That his proposed line of study or research is fit and proper;
- (b) That he possesses a good general education;
- (c) That he is of good character;
- (d) That he proposes to prosecute his studies or research during a period to be approved by the Senatus.

The Faculty or the Committee shall report to the Senatus on each application. It shall also be their duty, subject to the regulations of the Senatus, to provide for the supervision of the Research Student's work, and to report at least once a year to the Senatus as to his progress and conduct. The Senatus shall then determine whether he shall remain a Research Student.

V. Every Research Student shall be required to matriculate each year, paying the ordinary fee.

VI. Research Students have the use of the University Laboratories and Museums, under such conditions as the University Court, after consultation with the Senatus, may determine.

VII. The title of Research Fellow may be conferred by the Senatus with the approval of the University Court, on Research Students who have shown special distinction. Such title shall not of itself confer any right to stipend, but it shall be in the power of the University Court to provide a stipend of such amount and for such period as it may think fit to any Research Fellow.

VIII. (1) The Research Fellows shall be appointed after consideration of the report or reports submitted in terms of Section IV.

(2) The title of Research Fellow may be conferred at the commencement of the Research Student's course of study or research, or at any time during its progress, as the Senatus may determine.

(3) Research Fellows shall retain their title and stipend, if any, for the period during which they are engaged in special study or research in the University, and no longer.

(4) Research Students who have been appointed Research Fellows shall continue subject to the above conditions as to the supervision of their work and the reports to be made thereon.

IX. Nothing herein contained shall prejudice the right of Research Students to such Fellowships, Scholarships, or Prizes as may be open to them by Ordinance or Deed of Foundation.

X. The University Court may provide such sums as it may think fit in aid of the expenses of Special Study or Research.

REGULATIONS FOR THE GRADUATION OF WOMEN AND FOR THEIR INSTRUCTION.

EXCERPTS FROM ORDINANCE NO. 18 (GENERAL NO. 9).

1. It shall be in the power of the University Court to admit women to graduation.

2. The conditions for graduation shall be the same for women as for men, subject to the following modifications, which shall have effect until provision is made for the instruction of women in all subjects qualifying for graduation, in which provision is made for the instruction of men :—

Section 3 of the Regulations for Degrees in Science shall not be applicable to the graduation of women in Science, so long as within the Faculty provision is not made for the instruction of women in any subject qualifying for graduation in which provision is made for the instruction of men, and it shall be in the power of the University Court to admit to graduation women who have received the requisite instruction in that subject in any other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of Graduation in Science: Provided always that every candidate for graduation shall produce evidence of having satisfied the conditions with respect to the Preliminary Examination, and shall be examined in all the subjects necessary for graduation by the Examiners of the University.

3. So soon as within the University provision is made for the instruction of women in all subjects qualifying for graduation in which provision is made for the instruction of men, the conditions for the graduation of women shall be the same as the conditions for the graduation of men.

4. (1) Women who attend classes in the University must matriculate, paying a fee of the same amount as that exigible for other students. (2) Women, who are candidates for graduation but not matriculated students, and who may attend classes in Edinburgh, under the provisions above set forth, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by students of the University; and having, in respect of such payment a right to the use of the Library of the University.

ADDITIONAL REGULATIONS BY THE UNIVERSITY COURT.

Any woman who has received the requisite instruction in Chemistry, Botany, and Zoology, in any other University or Institution already approved by the University with the view to

the Graduation of men, or under any teacher already recognised with that view, or in the Medical College for Women, Chambers Street, Edinburgh, will—subject to the provisions of Ordinance¹ No. 18, General No. 9, Regulations for the Graduation of Women, &c.—be admitted to Examination in these subjects for Graduation in Science.

Women may attend within the University the advanced Courses in Botany and Zoology, the advanced Lecture Courses in Chemistry, the Chemical Laboratory, and the Course of Experimental Physiology for Women Students, qualifying for Graduation in Science.

OUTLINE OF EXAMINATIONS.

I.—FIRST EXAMINATION FOR B.SC. IN PURE SCIENCE.

(a 1) MATHEMATICS.

Arithmetic—Euclid, Books I., II., III., IV., VI., and XI., or their equivalent, with their application to Mensuration—Algebra, Trigonometry, Conic Sections, Geometrical and Analytical.

Candidates must show sufficient knowledge in each of the subjects of Examination.

(a 2) ZOOLOGY.

(a) The General Principles of Biology.

(b) The distinctive characters of the Invertebrate groups, and the structure, habits, &c., of Amœba, Paramœcium, Hydra, Arenicola, Hirudo, Helix, and Nephrops.

(c) The distinctive characters of the Vertebrate groups, and the structure, habits, &c., of Gadus, Raia, Rana, Columba, and Lepus.

(d) A general knowledge of the Orders of Vertebrata.

(e) The outlines of the development of Amphioxus, Rana, Gallus, and Lepus, and of the characteristic larval forms of Echinodermata, Crustacea, Annelida, and Mollusca.

(f) The Geographical Distribution of Animals.

(g) A general knowledge of Wallace's Darwinism.

(a 2) BOTANY.

The characteristic features of the following groups and classes of the vegetable kingdoms:—

Thallophyta (Schizophyta, Algæ, Fungi); Bryophyta [Hepaticæ, Musci]; Pteridophyta [Filicinae, Equisetineæ, Lycopodineæ]; Sper-

¹ See Ordinance, Appendix to CALENDAR, 1892-93, page 51.

mophyta [Gymnospermæ, Angiospermæ (Monocotyledones, Dicotyledones)].

The fundamental facts and principles of Organography, Physiology, and Geographical Distribution. The life-history of the following plants:—Bacterium, Nostoc, Spirogyra, Saccharomyces, Mucor, Vaucheria, Agaricus, Collema, Puccinia, Claviceps, Eurotium, Marchantia, Fucus, Polysiphonia, Funaria, Aspidium, Equisetum, Selaginella, Pinus, Cycas, Scilla, Capsella, Helianthus Ulmus, Quercus.

The characters of plants belonging to the chief British natural orders of Phanerogamæ.

(b) NATURAL PHILOSOPHY.

Elementary Dynamics of a Particle and of a Rigid Body.

Experimental Physics, including Properties of Solids and Fluids, Sound, Heat, Light, Electricity, and Magnetism.

Candidates must show sufficient knowledge of both sections of the subject.

(c) CHEMISTRY.

Chemical changes as distinguished from physical changes. Elements; compounds; mixtures. Laws of chemical combination by weight and by volume. The Atomic theory. Atoms; molecules. Avogadro's Hypothesis. Molecular weights of gaseous and volatile substances. Atomic weights. Law of Dulong and Petit. Chemical Notation—Symbols; formulæ; equations. Simple chemical calculations.

The non-metallic elements and their chief compounds; especially the compounds of oxygen, of hydrogen, and of chlorine with the other non-metals. The more important inorganic acids. The atmosphere. Combustion. Oxidation and reduction.

The following metallic elements and their chief compounds; especially those with oxygen, with chlorine, and with sulphur: Gold, platinum, silver, mercury, lead, antimony, tin, copper, bismuth, zinc, cadmium, iron, aluminium, chromium, manganese, barium, strontium, calcium, magnesium, potassium, sodium.

The following salts: the ammonium salts; the more important sulphates, sulphites, thiosulphates, nitrates, nitrites, carbonates, bromides, iodides, iodates, phosphates, borates, silicates.

The relations of bases, acids, and salts. Electrolysis. Quantivalence. The periodic law.

The metallurgy of silver, mercury, copper, lead, tin, zinc, iron (including cast iron and steel). Alloys, such as brass, bronze, solder, type-metal. Amalgams.

The manufacture of aluminium, magnesium, potassium, sodium, glass, porcelain, mortar, gunpowder, sulphuric acid, sodium carbonate and bicarbonate, caustic soda, bleaching powder and chlorates, white lead.

Classification of Carbon compounds. Marsh Gas and its Homologues. Chloroform. Methyl and Ethyl Alcohols and Ethers. Substituted ammonias and ammonium salts. Formic and Acetic Acids, Aldehyde, Acetone, Chloral, Olefiant Gas, Acetylene, Oxalic Acid, Lactic Acid. Tartaric Acid, Citric Acid. Fats and Oils, Saponification, Glycerol. Cellulose, Sugars, Starch. Distillation of Wood and of Coal. Benzene, Benzoic Acid, Phenol, Salicylic Acid, Oil of Bitter Almonds, Hydrocyanic Acid, Cyanides, Cyanates, Thiocyanates, Urea, Uric Acid.

PRACTICAL EXAMINATION.

Candidates may be required :—to perform simple experiments and carry out easy inorganic preparations involving the commoner chemical operations, such as dissolution, filtration, crystallisation, etc. ; to perform simple quantitative experiments involving the weighing of solids and the measuring of liquids and gases ; to determine melting points and boiling points ; to recognise unknown substances (not mixtures) as under :—

Soluble Salts of the following metallic and salt radicals :—Silver, Mercurous, Mercuric, Lead, Cupric, Cadmium, Arsenious, Zinc, Manganese, Ferrous, Ferric, Aluminium, Barium, Calcium, Magnesium, Ammonium, Potassium, Sodium.

Carbonate, Sulphate, Sulphide, Thiosulphate, Phosphate, Nitrate, Nitrite, Arsenite, Chloride, Bromide, Iodide.

Insoluble substances :—Metals, as covered by the former list, together with their oxides or hydroxides, carbonates, and sulphides.

II.—FINAL EXAMINATION.

(a) MATHEMATICS.

Pure Geometry, Algebra, Theory of Equations, including Determinants, Trigonometry (Plane and Spherical), Analytical Geometry, Differential and Integral Calculus, Calculus of Finite Differences. (The Candidate may, if he please, profess the Elements of Quaternion Analysis.)

(b) NATURAL PHILOSOPHY.

First Stage—Analytical Dynamics and Thermodynamics. Second Stage—at least two and at most three other subjects. These subjects may include one or more of the following branches of Mathematical Physics :—Advanced Dynamics, Electrostatics and Magnetism, Electrodynamics and Electromagnetism, Wave Theory, Physical Applications of Quaternions, and Advanced Astronomy (Theoretical) ; one or two of such branches of Advanced Experimental Physics as the following :—Constitution and Properties of Matter, Nature and Properties of Electricity, Light, Heat, and Sound (branches other than those specified

to be approved by the Examiners); and one branch of Practical Physics, such as Capillarity, Thermal Conduction, &c., in which the Candidate shall have submitted to the Examiners a thesis approved by them, embodying the results of original investigation. In addition all Candidates will be permitted to submit to the Examiners properly authenticated records of Laboratory work conducted by them; and such records will be taken into consideration.

(c) ASTRONOMY.

First Stage—1. The Principles and Practice of astronomically finding the geographical co-ordinates of the place of observation on land and at sea.

2. The Principles that guide the actual determination of the chief astronomical constants—*refraction, aberration, nutation, precession, and solar-parallax* in fixed observatories.

3. Elementary Celestial Mechanics. The methods used for determining the figure and size of the earth.

The Candidate will be required to explain the general principles on which the orbits of planets, &c., are calculated, and must show a thorough knowledge of the methods followed in the case either of a *comet, planet, double-star, or of a meteorite and a meteoric swarm.*

Second Stage—Astrophysics, including the Theory of Spectroscopic Instruments, Determination of Wave-lengths, and the Applications of Optical and Thermodynamic Laws to Cosmical Physics.

One group of observations must have been made in the field, or at an observatory, and fully reduced so as to show the value of the derived results, and the precautions that have been taken to free them from instrumental and personal errors. Candidates will also be examined as to the best ways of testing the critical parts of instruments, such as a *pivot, screw, level, &c.*

(d) CHEMISTRY.

Written and Oral Examinations:—Inorganic Chemistry, including Mineralogical Chemistry; Organic Chemistry; Chemical Crystallography; History of Chemistry.

In the written papers a choice of questions is allowed, so as to adapt the examination to the various courses of advanced study which Candidates may have selected.

Practical Examination:—*Intermediate*: Complex qualitative Analysis; Inorganic preparations; Gravimetric and Volumetric Analysis.

Each Candidate taking the *Higher Standard* will also be examined on Organic Preparations, Ultimate Organic Analysis, and one of the following subjects, selected by himself:—Gas Analysis; Assaying; Physico-chemical measurements.

(e) HUMAN ANATOMY, INCLUDING ANTHROPOLOGY.

Candidates are required to show a competent knowledge of the principles of Embryology and of the development of the human body; also the position and general arrangement of the different "systems" of organs which enter into its construction, and the structure both of these organs and of the simple tissues. Surface Anatomy forms a recognised part of the examination. An acquaintance with the technical applications of human anatomy to the practice of Medicine and Surgery is not required.

The Anthropological part of the subject will embrace a knowledge of race characters as found in the skull and other parts of the skeleton, in the skin, eyes, hair, features, and the external configuration of the body generally. The methods of anthropometrical measurement both of the living body and of the skeleton should be known. The possible influence of use and of external surroundings in producing modifications in the physical characters of man will require attention. An acquaintance with the "types" of mankind and the structural relations of man to the higher mammals will also be expected.

(f) ANIMAL PHYSIOLOGY.

(Written and Practical Examinations.)

The minute Structure, Chemical Composition, and Functions of the Tissues and Organs of the Animal Body.

The Chemical Composition and Products of the Foods and Fluids involved in the Processes of Nutrition and Secretion.

In the Practical Examination Candidates may be examined orally on any of the above subjects, and will be required to show a practical acquaintance with the methods employed in Histology, Physiological Chemistry, and Experimental Physiology.

(g) GEOLOGY, INCLUDING MINERALOGY.

1. *Dynamical Geology*.—The nature and operation of geological agents:—The Atmosphere, Rain, Terrestrial Waters, Ice, the Sea, Plants and Animals, Volcanoes, Movements of the Earth's Crust.

2. *Mineralogy*.—Physical and Chemical characters of the more important and typical species in the various mineral groups—more especially the rock-forming minerals and ores.

3. *Petrography*.—Macroscopic and Microscopic Characters, Composition, Origin and Distribution of Rocks.

4. *Structural Geology*.—Structure of Rock-masses, Inclination and Curvature of Rocks, Joints, Cleavage, Foliation, Metamorphism, Faults, Overlap, Unconformity.

5. *Palaeontological Geology*.—Characters, and distribution in time, of the more important Genera and Orders, especially those found fossil in Britain.

6. *Stratigraphical Geology*.—The History of the Geological Systems—more especially those of the British Islands.

7. *Physiographical Geology*.—Origin of the present outlines of the Earth's surface.

(h) ZOOLOGY, INCLUDING COMPARATIVE ANATOMY.

1. The Systematic Zoology of the Invertebrate and Vertebrate groups.

2. The Elements of the Comparative Anatomy and Development of the Invertebrata and Vertebrata. See also page 26.

3. The Principles of Natural Selection, a Knowledge of the Geographical Distribution of Vertebrate Animals.

The following books are recommended:—Haswell and Parker's "Zoology"; Lang's "Text-Book of Comparative Anatomy"; Beddard's "Mammalia"; Darwin's "Origin of Species"; Wallace's "Darwinism" and "Island Life"; Marshall's "Embryology."

(i) BOTANY, INCLUDING VEGETABLE PHYSIOLOGY.

1. Organography and Physiology of Plants.

2. The Principles of Plant Classification, and the Systematic Characters of the chief Families of Plants, including the Life Histories of Representative Types.

3. The chief facts of Geographical Distribution, and the explanation of these.

4. The chief facts of Vegetable Palæontology, and their bearing on the Theory of Descent.

II.—ENGINEERING.

REGULATIONS AND CURRICULUM FOR DEGREES IN ENGINEERING.

The Engineering Department of the University is now located in the large new block of buildings at High School Yards. This block of buildings, which was completed during the winter session 1905-6, includes lecture rooms, a large drawing office, laboratories for Hydraulics, Strength of Materials, and Experimental Mechanics, and large workshops. A full account of the buildings is given in Appendix I.

Candidates who began attendance on qualifying Science Classes before 1st October 1893, are referred to CALENDAR 1895-96 or previous CALENDARS.

I. Two degrees in Science in Engineering are conferred¹ by the University of Edinburgh—viz., Bachelor of Science in Engineering and Doctor of Science in Engineering.

I.—PRELIMINARY EXAMINATION FOR BACHELOR OF SCIENCE.

II. Every candidate for the degree of B.Sc. in Engineering must pass the Preliminary Examination² prescribed for Degrees in Pure Science, and the conditions with respect thereto imposed by the Regulations for Degrees in Pure Science are applicable in all respects to Degrees in Engineering except as follows—viz., Mathematics must be passed on the Higher Standard and the Preliminary Examination must be passed before the candidate presents himself for any part of the First Science Examination, but not necessarily before the candidate enters on his curriculum.

II.—COURSES OF INSTRUCTION.

III. (1) Candidates must, in the course of not less than three Academical years (*i.e.* three Winter Sessions, or two Winter Sessions and three Summer Sessions), attend at least the eleven courses of instruction prescribed under Section VIII. hereof.

(2) It is the duty of the Senatus to determine from time to time which of the said courses are full and which are half courses respectively, and also to determine the number of meetings of which such full courses and half courses respectively shall consist, and to report its determination to the University Court for its approval.

IV. (1) Five full courses or their equivalent (counting two half courses as one full course) must be taken in the University of Edinburgh, and must include the necessary courses in Engineering, except where the University Court, after consultation with the Senatus, sees fit to allow one of the courses in Engineering to be taken outside the University under the provisions of the next sub-section.

(2) The remainder of the said courses may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science in Engineering :³ Provided that the fees for attendance at an approved Institution in Edinburgh or under a recognised teacher there are not less than the fees exigible for the corresponding courses in the University of Edinburgh.

V. The University Court may make regulations to enable candidates, not matriculated students of the University of Edinburgh, availing

¹ Students who have taken the degree of B.Sc. in Engineering, and have had at least one year of training in the office of an engineer, are eligible for appointment to the Public Works Department of the Indian Government. Full particulars as to these appointments can be obtained from Prof. Hudson Beare.

² See [II.] 6, page 285.

³ See footnote 3, page 288.

themselves of the permission to attend lectures at approved institutions or by recognised teachers in Edinburgh to obtain, on payment of a fee not exceeding in amount the matriculation fee paid by the students of the University, a right to the use of the Library of the University.

VI. (1) It is the duty of the Professors¹ and Lecturers annually at the end of each winter session to submit to the Senatus a scheme specifying what proportion of the courses shall be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus transmits such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(2) It is the duty of the Professors¹ and Lecturers annually at the end of each winter session to submit to the Faculty of Science, for its consideration, syllabuses of the subjects and books proposed for the work of their classes during the next Academical year. The Faculty of Science transmits such syllabuses, with such observations as it may think fit to make thereon, to the Senatus for its approval.

VII. The provisions of the preceding section do not apply to approved Institutions or recognised teachers outside Edinburgh; but the University Court will not grant or continue recognition to any Institutions or teachers unless it is satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Edinburgh.

VIII. The subjects of study are as follows :—

1. Mathematics, including Analytical Geometry, and Differential and Integral Calculus.
2. Natural Philosophy, including Applied Higher Mathematics.
3. Chemistry, including Practical work.
4. A course in the Physical Laboratory or in the Chemical Laboratory.
- 5, 6. Two Courses in Practical work in Drawing.
- 7, 8, 9. Three Courses in Engineering, including Engineering Laboratory Practice, and Field Work.
10. Natural Philosophy, involving Higher Mathematics.
11. One of the following :—
 - (a) Engineering Laboratory Practice, Mechanical or Electrical (Special Course).
 - (b) Electricity—Pure and Applied.
 - (c) Geology and Mineralogy.

III.—SCIENCE EXAMINATIONS.

(a) *First Science Examination.*

IX. (1) There is a First Science Examination in the three following subjects, viz.:—(1) Mathematics, (2) Natural Philosophy, (3)

See Boards of Studies, page 286.

Chemistry and the examinations in Natural Philosophy, and in Chemistry are so far as possible practical.

The examination in Geometrical Drawing may be taken either at the First or at the Final Science Examination.

(2) The examination in Mathematics includes the higher branches of Mathematics specified under Mathematics in the Section immediately preceding ; but it is optional to Candidates to pass the same examination in this subject as that required for the ordinary Degree of M.A., provided that in that case they will be required, before graduation, to pass an examination in the remainder of the subject.

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed.

The following Classes in the University qualify for the First Science Examination in Engineering :—

1. Mathematics—Intermediate Honours Class, Technical Division (Winter), or Intermediate Honours, Technical Division (Summer).
2. Natural Philosophy Class (including Practical work).¹
3. Chemistry Class and Laboratory.²
4. Physical or Chemical Laboratories—A three months' Course in either.

(b) Final Science Examination.

X. (1) There is a Final Science Examination in the remaining subjects specified in Section VIII. ; and, if required, in the higher branches of Mathematics as provided in Section IX., Sub-section 2.

(2) Candidates may present themselves in one or more of these subjects at any examination after they have passed the whole of the subjects in the First Science Examination and have attended the required courses in the subjects professed, provided that for this purpose subjects 5, 6, 7, 8, and 9, specified in Section VIII., shall form one subject.

XI. A candidate for the degree of B.Sc. in Engineering is not deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

XII. It is competent to the Examiners for the degree of B.Sc. in Engineering to report that a candidate has passed with special distinction in one or more of the subjects professed by him ; and in such a case a diploma is given setting forth the subjects in respect of which the degree has been granted, and the subject or subjects in which special distinction has been obtained.

XIII. It is competent to the University Court to modify from time to time the provisions as to the curriculum, in case such modification

¹ See footnote 1, page 290.

² See footnote 2, page 290.

be rendered desirable by the development of Engineering Science, or in consequence of further provisions having been made within or without the University for the study of any branch of the said Science : Provided that in no case shall the number of full courses of study required be less than the number required for the degree of B.Sc. in Pure Science.

The following Classes in the University qualify for the Final Science Examination in Engineering :—

1. Drawing—Class of Engineering and Mechanical Drawing during two Winter Sessions, or one Winter and two Summer Sessions.
2. Engineering—(a) The Junior and Senior Classes of Engineering during two Winter Sessions. (b) Class of Engineering Field-Work, held in Summer.
3. Natural Philosophy, involving Higher Mathematics—Advanced Course of Dynamics, Winter Session.
4. Engineering Laboratory, or Geology and Mineralogy—A three months' Course in either.

HERIOT WATT COLLEGE.—In accordance with an agreement entered into between the University Court and the Governors of George Heriot's Trust for the purpose of arranging a joint curriculum of study for the degree in Engineering Science, the following classes at the Heriot Watt College have been recognised by the University Court as qualifying for the First Science Examination and the Final Science Examination in Engineering.

Mathematics :—A two years' course qualifying for the First Science Examination up to the standard required for the ordinary degree of M.A. ; *Mechanics and Physics*, as equivalent to one course in Natural Philosophy ; *Chemistry and the Chemical Laboratory* ; *Electrical Engineering*, including lectures and laboratory practice ; *Engineering* :—Lectures, Mechanical Drawing and Laboratory practice.

IV.—DOCTORATE OF SCIENCE IN ENGINEERING.

XIV. Graduates of the University of Edinburgh who have held the degree of B.Sc. in Engineering for five years, may offer themselves for the degree of D.Sc. in Engineering.

XV. A candidate for the degree of D.Sc. in Engineering must present a Thesis,¹ or a published memoir or work, to be approved by the Senatus on the recommendation of the Faculty of Science : Provided that, if required by the Senatus, the candidate must pass such examination as may be determined. The Thesis must be a record of original research undertaken by the candidate, or of important engineering work designed by himself, and actually carried out, and

¹ The Thesis must be lodged with the Dean of the Faculty on or before 1st December.

must be accompanied by a declaration, signed by him, that these conditions have been satisfied.

GENERAL.

XVI. Candidates who produce certificates that they have satisfied all the conditions prescribed by these Regulations, and who have passed the necessary examinations, will be entitled to receive the degrees of B.Sc. in Engineering and D.Sc. in Engineering, as the case may be, on the payment of the fees required.

XVII. A student who, when these Regulations came into operation, had completed a part of his course of study with a view to graduation in Science in Engineering in the University of Edinburgh, under regulations in force at the time, and who thereafter completes his course of study and passes the necessary examinations in conformity with such regulations, or with the provisions hereof, may become a candidate for the degree of B.Sc. in Engineering.

XVIII. The degrees of B.Sc. and D.Sc. in Engineering are in no case conferred on persons who have not complied with the above conditions, and are not conferred *honoris causâ tantum*.

OUTLINE OF SUBJECTS OF EXAMINATION.

FIRST BACHELOR OF SCIENCE EXAMINATION.

- I. MATHEMATICS—There are two papers each of three hours, the first on a lower, and the second on a higher standard. These need not be taken at the same time, and a pass in the lower standard may be obtained before proceeding to the higher. The use of the calculus is not necessarily excluded from the first or lower paper.¹ Subjects:—Mensuration; Trigonometry with reference to Surveying, including trigonometrical solution of plane triangles, involving the use of logarithmic tables (to be brought by the candidates); elementary spherical trigonometry; some simple calculations in Algebra; Curve-tracing; the use of graphical methods in calculation (involving the use of drawing instruments and squared paper to be brought by the candidate).

Elements of Cartesian and Polar Co-ordinates, including application to the analytical geometry of the straight line and the conic sections; also elementary solid geometry.

Expansion of a determinant and elements of the theory of equations. Fundamental ideas of the Differential and Integral Calculus; Differentiation and Integration of Simple Functions; Geometrical Interpretation of Differentiation and Integration; Elementary applications to plane curves; maxima and minima of functions of one

¹ A candidate who has passed the M.A. Examination in Mathematics in this University is exempted from the first of these papers.

variable ; lengths, areas, volumes ; curvature ; centres of mass ; moments of inertia ; applications to certain branches of Mechanics and Electricity ; Simple Differential Equations.

2. NATURAL PHILOSOPHY. Same as for First Examination in Pure Science.
3. CHEMISTRY—Same as for First Examination in Pure Science.

SECOND BACHELOR OF SCIENCE EXAMINATION.

1. (a) ENGINEERING—

Field-Work.—Surveying ; Levelling ; Setting out of Work ; Calculation of Quantities.

Properties of Materials.—General Properties, with special knowledge of their Strength, and the Purposes to which they are applied, and some knowledge of their Cost.

Strength and Stability of Structures designed by Civil Engineers.—Metal and Timber Bridges and Roofs. Arches in Masonry. Walls. Retaining Walls. Embankments. Cuttings. Breakwaters. Aqueducts. Pipes. Canals.

Strength and Form of the Elements of Machines.

Design of Combined Structures.—An elementary knowledge of the Design of Bridges and Roofs, of Reservoirs, Embankments, collecting and distributing Machinery of Waterworks, and of the main features of Railway construction, Harbours, and Drainage.

Design of Machinery.—An elementary knowledge of the construction of the Steam Engine, stationary and locomotive, of Prime Movers driven by Water, of Mill-wright work, and the general arrangement of Workshops and Factories.

Prime Movers.—Theory of Heat Engine. The Hot Air Engine. The Steam Engine. The Gas and Oil Engine. Turbines and Water Wheels. *Power Transmission*—Hydraulic, Electric.

Engineering Laboratory Practice.

(b) DRAWING—

Candidates must exhibit a good knowledge of Geometrical Drawing, including the use of Graphics as applied in the solution of Engineering problems, and be able to represent neatly, in the usual manner employed by engineers, Plans and Sections of Buildings and Machinery, and also to make Engineering Sketches with figured dimensions from actual objects.

2. NATURAL PHILOSOPHY—

Applied Mathematics, chiefly Dynamics.

Kinetics and Statics of a Particle ; Simple Harmonic Motion ; Frictional Forces ; Forces of Constraint.

Kinetics and Statics of extended bodies ; Rotations ; Moment of Inertia ; Moment of Momentum.

Statics of Flexible Cords ; Catenaries ; Friction of Belts.
Elasticity ; Stress and Strain ; Flexure ; Torsion ; Vibration of Bars.

Thermodynamics : the Theory of Entropy.

3. (a) ENGINEERING LABORATORY PRACTICE, MECHANICAL OR ELECTRICAL.

(b) ELECTRICITY—PURE AND APPLIED.

(c) GEOLOGY AND MINERALOGY—

Dynamical Geology.—Nature and Operation of geological agents :—The Atmosphere, Rain, Terrestrial Waters, Ice, the Sea, Plants and Animals, Volcanoes, Movement of the Earth's Crust.

Mineralogy.—Physical and Chemical characters of the more important and typical species in the various mineral groups—more especially the rock-forming minerals and ores.

Petrography.—Macroscopic and Microscopic Characters, Composition, Origin and Distribution of Rocks.

Structural Geology.—Structure of Rock-Masses, Bedding, Joints, Cleavage, Foliation, Metamorphism, Faults, Unconformity.

Physiographical Geology.—Origin of the present outlines of the Earth's surface.

Engineering Geology.—The Applications of the Science to various Engineering Operations.

DOCTOR OF SCIENCE EXAMINATION.

A Candidate for this Degree will be required to offer a thesis or published memoir affording evidence of original work, and may also be required to pass a Special Examination. See XV., page 306.

III.—PUBLIC HEALTH.

IV. REGULATIONS AND CURRICULUM FOR DEGREES IN PUBLIC HEALTH.

Candidates who commenced attendance on qualifying Science Classes before 1st October 1894 are referred to the CALENDAR for 1895-96, or to previous CALENDARS.

I. Two degrees in Science in Public Health are conferred by the University of Edinburgh, viz., Bachelor of Science in Public Health and Doctor of Science in Public Health.

I.—BACHELOR OF SCIENCE.

II. Candidates for the degree of B.Sc. in Public Health must be graduates in Medicine of a University of the United Kingdom, or of

some other University recognised for the purpose by the University Court of the University of Edinburgh.¹

III. Candidates must be matriculated for the year in which they appear for examination or graduation.

(A)—*First Examination.*

IV. Candidates for the degree of B.Sc. in Public Health, before proceeding to the first examination, must produce evidence (1) that, after their graduation in Medicine, they have practically studied Bacteriology, the Pathology of the Diseases of Animals transmissible to man, and Chemistry as applied to Public Health, for at least twenty hours per week during a period of not less than eight months, of which at least five consecutive months must be in the Public Health Laboratory of the University of Edinburgh, and the remainder in the foresaid Laboratory, or in a Public Health Laboratory recognised for the purpose by the University Court;² and (2) that they have attended in the University of Edinburgh or any other Scottish University, in addition to the course of lectures in Physics qualifying for graduation in Medicine, such further course in Physics as the Senatus Academicus, with the approval of the University Court, shall deem necessary, and such a course of lectures in Geology, extending over not less than three months, as the Senatus with the like approval shall deem sufficient and appropriate.

The Courses in this University which at present qualify are the Laboratory Course in Physics for Students in Public Health, and either the ordinary Winter Course or the Summer Course in Geology.

(B)—*Second Examination.*

V. Candidates for the degree of B.Sc. in Public Health are not admitted to the second examination for the degree sooner than eighteen months after having taken their degree in Medicine, nor sooner than six months after having passed their first examination for the degree of B.Sc. in Public Health. They must have attended, subsequent to

¹ *Universities specially recognised under this section*:—The University of Würzburg; McGill University, Montreal; University of Harvard, U.S.A., 14th Oct. 1899; Queen's College, Kingston, Ontario, Canada, 18th December 1899.

² *Public Health Laboratories and Teachers recognised under this section*:—

University, Birmingham, ...	{ E. Percy F. Frankland, Ph.D., October 1894.
Liverpool School of Science and Technology, ...	{ George Tate, Ph.D., 15 June 1891.
King's College, London, ...	{ W. R. Smith, M.D., D.Sc., November 1891.
University of Aberdeen, ...	{ Professor Matthew Hay, M.D., 15 February 1891.
Pasteur Institute, Paris, ...	{ 22 October 1892.
University of Cambridge, ...	{ 13 December 1897.
The Army Medical College, ...	{ Two months' practical work in Hygiene and Bacteriological Pathology.

Graduation in Medicine, two separate courses in Public Health in the University of Edinburgh, or in any University of the United Kingdom, or any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such Medical School or under such teacher as may be recognised or approved for the purpose by the University Court, each course consisting of forty lectures at least; one of these courses shall deal with Medicine and the other with Engineering, each in its relation to Public Health, in such manner as the Senatus Academicus, with the approval of the University Court, shall determine.

They must also give evidence that, subsequent to Graduation in Medicine, (1) they have during three months, which must be separate and distinct from the period of Laboratory instruction, been diligently engaged in acquiring a practical knowledge of the duties, routine and special, of Public Health administration under the supervision of (a) a Medical Officer of Health recognised for this purpose by the General Medical Council; (b) a Sanitary Staff Officer of the Royal Army Medical Corps, having charge of an Army Corps, District or Command, recognised for this purpose by the General Medical Council; (2) that they have attended during three months the practice of an Hospital for Infectious Disease, at which opportunities are afforded for the study of methods of administration; and (3) that they have had three months' instruction in Mensuration and Drawing under a teacher recognised for this purpose by the University Court.

The lectures in this University which qualify are—(1) Advanced Course of Public Health and Sanitary Science by the Professor of Public Health; and (2) the course of instruction (Theoretical and Practical) in Sanitary Engineering and Building Construction by the Professor of Engineering, and the Class of Mensuration and Drawing by the Lecturer on Drawing.

VI. There is a first examination for the degree of B.Sc. in Public Health in (1) Laboratory Work, the examination being practical, written, and oral; (2) in Physics; and (3) in Geology, if an examination in Physics or Geology, as the case may be, qualifying for graduation either in Science or Arts has not previously been passed by the candidate.

VII. There is a second examination, written, oral, and as far as possible practical, for the degree of B.Sc. in Public Health in the following subjects, included in the course of instruction in Public Health—viz. (1) Sanitation, (2) Sanitary Law, (3) Vital Statistics, and (4) Medicine in its bearings on Public Health, and the examinations in these subjects are taken at one time. The examination in Sanitation, provided for under this section, shall include Reports by the candidates on Dwellings, Workshops, Hospitals, and Sanitary Schemes generally.

Candidates for B.Sc. (Public Health) must conform to the Regulations of the General Medical Council for Diplomas in Public Health.

VIII. The Board of Studies for the Faculty of Science¹ from time to time, with the approval of the Senatus, determines and announces the character of the instruction to be given in the Laboratory, and fixes the standard of the examinations.

IX. It is competent for the University Court, after consultation with the Senatus, to modify from time to time the provisions as to the work and instruction hereinbefore specified as necessary for graduating in Science in Public Health, in case such modification may be rendered desirable by the development of the Science of Public Health, or by increase of the facilities provided in the said University or elsewhere for the study of any branch of the said Science.

SCHEDULES OF THE SUBJECTS OF EXAMINATION.

LABORATORY WORK.

(1.) *Examination of Water.*—Physical Properties, Chemical Properties, Microscopical Appearances, Pollution of Potable Waters.

(2.) *Examination of Air.*—Temperature, Pressure, Humidity; Carbonic Acid, Micro-organisms, Organic Matter, Noxious Emanations.

(3.) *Examination of Foods.*—Milk, Butter, Butterine, or Oleomargarine, Flour, Bread, Starchy foods, Sugar, Honey, Butcher meat, Fish, Vegetables.

(4.) *Examination of Beverages.*—Tea, Coffee, Cocoa, Alcoholic Beverages, Aerated Waters.

(5.) *Examination of Condiments.*—Salt, Pepper, Mustard, Vinegar, and Preserves; Examination of Lime Juice. Nutritive Value of Dietaries.

(6.) *Sewage.*—Examination of sewage and of effluents after treatment.

(7.) *Soils.*—Temperature, Humidity, Permeability, Chemical Composition, Gases of the Soil, Micro-organisms.

(8.) *Disinfectants and Deodorisers.*—Chemical Examination of the Materials, Determination of their comparative power.

(9.) *Building Materials.*—Chemical and Physical Properties.

(10.) *Clothing.*—Physical Properties of Clothing Materials.

(11.) *Bacteriology.*—Micro-organisms in relation to Epidemic and other Diseases. Culture and recognition of Pathogenic and Non-Pathogenic, Aerobic and Anaerobic, Micro-organisms.

PHYSICS.

(1.) *Properties of Solids and Fluids.*—Specific Gravity, Elasticity, Laws of Pressure, Surface Tension, Viscosity.

(2.) *Heat.*—Thermometers, Expansion, Hygrometry, Boiling-points, Specific Heat, Latent Heat.

(3.) *Light.*—Lenses, Refractive Indices, Photometry, Polarization, Spectrum Analysis.

¹ See Boards of Studies, page 286.

(4.) *Electricity*.—Current Strength, Resistance, Electrolytic Resistance Batteries, Galvanometers.

GEOLOGY.

(1.) *Dynamical Geology*.—The nature and operation of Geological agents :—The Atmosphere, Rain, Underground Water, Rivers, Ice, the Sea, Plants and Animals, Volcanoes, Movements of the Earth's Crust.

(2.) *Mineralogy and Petrology*.—Characters of the more common and widely-distributed minerals and rocks.

(3.) *Structural Geology*.—The structure of rock-masses, more especially Bedding, Inclination and Curvature, Joints, Faults. Water-supply and Draining in connection with Geological Structure. Nature and Origin of Soils and Sub-Soils.

EPIDEMIOLOGY [MEDICINE IN ITS RELATION TO PUBLIC HEALTH].

The Causes of Endemic and Epidemic Diseases, as well as of Epizootics; of the Contagious or Infectious Diseases; and of those incidental to particular trades, or otherwise produced by the surroundings of the patient. Prophylaxis. Immunity. Vaccination against disease. Nature and Value of Vaccines.

SANITATION.

(1.) *Site, Environment, and Construction of Dwellings*.—Influence of Position, Aspect, and Climate; Meteorological and Geological Conditions; Soil and Drainage; Elements of Building Construction.

(2.) *Water Supply*.—Quantity per head; Relative Eligibility of available Sources of Supply; Estimation of yield; Methods of utilising various Sources of Supply; Storage, Subsidence, and Filtration; Distribution—(a) General, (β) Domestic; Causes, Detection, and Treatment of contaminated Supply.

(3.) *Air Supply*.—Quantity and Temperature, with knowledge of use of instruments employed in their Measurement; Causes and Detection of Impurities; Warming and Ventilation; Characteristics and Fitness of various methods in use.

(4.) *Excreta, Refuse, and Sewage*.—Character and Quantity of in (a) Urban, (β) Rural Districts—

A. Collection and Removal from (1) the Dwelling, (2) the Town or Village; Nature, Practical details, and maintenance of the several Methods employed.

B. Disposal: (1) Sanitary, (2) Insanitary methods; Precipitation, Filtration, Irrigation, Discharge; General details of necessary works.

(5.) *General Structural and Mechanical Details of Sanitary Works*.—Character, Fitness, and Qualities of Materials (Brick, Cement, Earthenware, Iron, Lead); Design, setting out, and laying of Sewers: Plumbing and Iron-work.

(6.) *Hospitals*.—Principles of Design and Construction.

(7.) *Infectious and Epidemic Diseases*.—Origin, Modes of Propagation, and Means of Prevention ; Epizootics.

(8.) *Disinfectants*.—Selection and application.

(9.) *Effects of Insanitary Conditions*.—Insufficient house accommodation, Vitiating of Air, Impure Water, Bad or insufficient Food.

(10.) *Unhealthy Occupations*.—Means of mitigating or removing their unhealthiness.

(11.) *Nuisances*.—Urban, Rural, and Domestic.

(12.) *Disposal of the Dead*.—Burial, Cremation.

N.B.—Candidates are required to be able to interpret plans submitted to them, and to illustrate their answers when necessary by sketches.

SANITARY LAW AND VITAL STATISTICS.

1. Sanitary Administration. Laws affecting Factories, Workshops, Mines, Common Lodging-houses, Removal of Refuse, Nuisances, Rivers Pollution, Alkali Works, Burial Grounds, Unwholesome Food, Adulteration of Food and Drugs. Sale of Poisons.

2. Methods of estimating Population. Death, Birth, and Marriage Rates. Mortality as affected by Age, Sex, and Occupation. Case Mortality. Life Tables.

NOTE.—In making calculations, the Candidate will be expected to understand the use of Logarithms, the Slide Rule, and Arithmometer.

II.—DOCTORATE OF SCIENCE.

X. Graduates who have held the degree of B.Sc. in Public Health from the University of Edinburgh for a term of five years may offer themselves for the degree of D.Sc. in Public Health in the said University.¹

XI. Candidates for the degree of D.Sc. in Public Health must present a thesis, or a published memoir or works, to be approved by the Senatus, on the recommendation of the Faculty of Science, and are required to pass an examination in Public Health, and in such of its special departments as the Senatus, with the approval of the University Court, may determine. [Candidates for D.Sc. in Public Health may appear for examination in any one of the departments of knowledge required for the degree of B.Sc. in Public Health. They are required to submit the subject in which they propose to be examined for approval at least six weeks before the date of the Examination.²]

¹ See also Regulations for Research Students taking D.Sc., Section 3, page 294.

² The Thesis must be lodged on or before 1st February, and the Subject of Examination must be submitted to the Dean before 1st May. The Examination will take place about the middle of June.

The theses, or published memoirs or works, must be records of original research undertaken by the candidates, and must be accompanied by a declaration, signed by them, that the work has been done and the theses or memoirs composed by themselves.

GENERAL.

XII. Candidates who produce certificates that they have satisfied all the conditions prescribed by this Ordinance, and who have passed the necessary examinations, are entitled to receive the degrees of B.Sc. in Public Health and D.Sc. in Public Health, as the case may be, on payment of the fees required.

XIII. Students who, at the time when these Regulations come into operation, have completed a part of their course of study with a view to graduation in Science in Public Health in the University of Edinburgh, under regulations in force at the time therein, and thereafter complete the course of study and pass the necessary examinations in conformity with such regulations, or with the provisions hereof, may become candidates for the degree of B.Sc. in Public Health.

XIV. The degrees of B.Sc. and D.Sc. in Public Health are in no case conferred on persons who have not complied with the conditions hereinbefore set forth, and are not conferred *honoris causâ tantum*.

IV.—AGRICULTURE.

REGULATIONS AND CURRICULUM FOR GRADUATION IN AGRICULTURE.

Candidates who began attendance on Qualifying Science Classes before 1st October 1893, are referred to CALENDAR 1895-96, or to previous CALENDARS.

I. A degree of Bachelor of Science in Agriculture is conferred by the University of Edinburgh.

I. PRELIMINARY EXAMINATION.

II. Every candidate for the degree of B.Sc. in Agriculture must pass the Preliminary Examination¹ prescribed for Degrees in Pure Science; and the conditions imposed with respect thereto by the said Regulations are applicable in all respects to the Degree in Agriculture, except as follows:—The Preliminary Examination must be passed before the candidate presents himself for any part of the First Science Examination, but not necessarily before the candidate enters on his curriculum.

¹ See page 284.

COURSES OF INSTRUCTION.

III. (1) Candidates must, in the course of not less than three Academical years (*i.e.* three Winter Sessions, or two Winter Sessions and three Summer Sessions), attend at least eleven courses of instruction in subjects prescribed for examination under Section VIII. hereof.

(2) It is the duty of the Senatus to determine from time to time which of the said courses are full courses and which are half courses respectively, and also to determine the number of meetings of which such full courses and half courses respectively shall consist,¹ and to report its determination to the University Court for its approval.

IV. (1) Five full courses or their equivalent (counting two half courses as one full course) must be taken in the University of Edinburgh, and must include the course in Agriculture and Rural Economy.

(2) The remainder of the said courses may be taken in other Universities or Institutions approved by the University Court, or under teachers recognised by the University Court for purposes of graduation in Science in Agriculture :² Provided that the fees for attendance at an approved Institution in Edinburgh or under a recognised teacher there must not be less than the fees exigible for the corresponding courses in the University of Edinburgh.

(3) Residence and practical work at a farm is required of each candidate to such an extent and under such regulations as the Senatus, with the approval of the University Court, may from time to time appoint.³

V. The University Court may make regulations to enable candidates,⁴ not matriculated students of the University of Edinburgh, availing themselves of the permission to attend lectures at approved Institutions or by recognised teachers in Edinburgh, to obtain, on payment of a fee not exceeding in amount the matriculation fee paid by the students of the University, a right to the use of the Library of the University.

VI. (1) It is the duty of the Professors and Lecturers annually, at the end of each winter session, to submit to the Senatus a scheme specifying what proportion of the courses is to be devoted to lectures, practical demonstrations, examinations, and tutorial work respectively. The Senatus transmits such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(2) It is the duty of the Professors and Lecturers annually at the end of each winter session to submit to the Faculty of Science, for its consideration, a syllabus of the subjects and books proposed for the work of their classes during the next Academical year. The Faculty of Science transmits such syllabus, with such observations as it may think fit to make thereon, to the Senatus for its approval.

¹ See Boards of Studies, page 286.

² See footnote 3, page 288.

³ Residence and Practical work at a farm must be not less than twelve months.

⁴ Teacher recognised: Alexander Brunton, B.Sc., Edinburgh Agricultural Chemistry.

VII. The provisions of the preceding section do not apply to approved institutions or recognised teachers outside Edinburgh; but the University Court will not grant or continue recognition to any Institutions or teachers unless it is satisfied that their courses of instruction are equivalent to the courses sanctioned in the University of Edinburgh, where such exist.

VIII. The subjects of study are as follows¹ :—

1. Mathematics, or Biology (*i.e.* Zoology and Botany).
2. Natural Philosophy.
3. Chemistry, including Practical Chemistry.
4. Agriculture and Rural Economy.
5. Agricultural Chemistry.
6. Geology.
7. Veterinary Hygiene.
8. Agricultural Entomology.
9. Economic Science as applied to Agriculture.
10. A course in one of the following :—(*a*) Forestry; (*b*) Experimental Physics; (*c*) Engineering.
11. Engineering Field Work.

II. SCIENCE EXAMINATIONS.

(*a*) *First Science Examination.*

IX. (1) There is a First Science Examination in the three following subjects—viz. (1) Mathematics, or Biology (*i.e.* Zoology and Botany); (2) Natural Philosophy; (3) Chemistry, including Practical Chemistry.

(2) The examination in all these subjects is the same as the examination in these subjects for the degree of B.Sc. in Pure Science, as specified in the Regulations therefor.

The following courses in this University qualify for the First Science Examination in Agriculture :—

1. (1) Senior Mathematics of 100 Lectures, as for the degree in Pure Science, or (2) Biology (Zoology, Botany) as for Pure Science.

2. Natural Philosophy, as for Pure Science.²

3. Chemistry, full course, including Practical Chemistry, as for Pure Science.³

(3) Candidates may present themselves in any one or more of the subjects of the First Science Examination at any examination held after they have attended a full course in the subject or subjects professed.

(*b*) *Final Science Examination.*

X. (1) There is a Final Science Examination in the remaining subjects (4 to 11 inclusive) specified in Section VIII. hereof.

(2) Candidates may present themselves in any one or more of these subjects at any examination held after they have passed the whole of

¹ See footnote 3, page 316.

² See footnote 1, page 290.

³ See footnote 2, page 290.

the subjects comprised in the First Science Examination, and have attended the required courses in the subjects professed.

The following courses qualify for the Final Science Examination in Agriculture :—

1. Agriculture and Rural Economy—Full course of about 100 Lectures and 10 Field Demonstrations.
2. Agricultural Chemistry—Full course (including Lectures and Practical Work) of about 100 hours.
3. Geology—Half-course of 25 Lectures, 10 Demonstrations in Laboratory, and 8 Field Demonstrations.
4. Veterinary Hygiene—Half-course of about 50 Lectures.
5. Agricultural Entomology—Half-course of about 20 hours.
6. Economic Science, as applied to Agriculture—Half-course of about 50 Lectures—the Political Economy Class in Arts till Christmas.
7. A course in one of the following :—
 - (a) Forestry—Full course of about 100 Lectures.
 - (b) Experimental Physics—Full Laboratory course of 100 hours.
 - (c) Engineering—Full course of about 100 hours.
8. Engineering* Field Work :—Half-course, in Summer—Lectures, Drawing Office, and Field.

XI. If a student, before passing the Preliminary Examination, has attended a class qualifying for graduation, the Senatus may, on special cause shown, permit him to count such class for graduation, on condition of his passing the full Preliminary Examination within such time thereafter as the Senatus may appoint, and in every such case the Senatus reports to the University Court the reasons for the relaxation.

XII. A candidate for the degree of B.Sc. in Agriculture shall not be deemed to have attended a class as part of the curriculum for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

GENERAL.

XIII. Candidates who produce certificates that they have satisfied all the conditions prescribed by these Regulations, and who have passed the necessary examinations, will be entitled to receive the degree of B.Sc. in Agriculture, on payment of the fees required.

XIV. A student who, at the time when these Regulations came into operation, had completed a part of his course of study with a view to graduation in Science in Agriculture in the University of Edinburgh, under regulations in force at the time therein, and who thereafter completes his course of study and passes the necessary examinations in conformity with such regulations, or with the provisions of these Regulations, may become a candidate for the degree of B.Sc. in Agriculture.

XV. The degree of B.Sc. in Agriculture shall in no case be conferred on persons who have not complied with the conditions hereinbefore set forth, and shall not be conferred *honoris causâ tantum*.

OUTLINE OF SUBJECTS OF EXAMINATION.

FIRST BACHELOR OF SCIENCE EXAMINATION.

1. (a) MATHEMATICS, or (b) BIOLOGY (*i.e.* ZOOLOGY and BOTANY).
2. NATURAL PHILOSOPHY.
3. CHEMISTRY, including Practical Chemistry.

The Examinations are the same as for the First B.Sc. in Pure Science.

FINAL BACHELOR OF SCIENCE EXAMINATION.

1. AGRICULTURE AND RURAL ECONOMY : ITS SCIENTIFIC PRACTICE.

1. *Definition of Agriculture*.—Aid given by the Allied Sciences.
2. *Surface Geology*.—Formation and Classification of Soils—their Physical and Chemical Properties. Importance of Organic Nitrogen. Indications of good or bad Soils—the Methods of Management.
3. *Drainage and Cultivation*.—Practice and Advantages of Drainage—Irrigation—Wet-Warping—Mixing or Top-Dressing—Claying—Marling—Chalking—Liming—Paring and Burning—Clay-Burning. The Effect on Soils of Cultivation and the Growth of Plants.
4. *Implements and Machines of the Farm*.—The Importance of their proper Construction and Careful Management.
5. *Steam Cultivation*.—Its Advantages and Disadvantages—Development of the “Darby” Land Digger. The Farm “Motor.”
6. *The Motive Powers Employed on the Farm*.—1st, Man; 2d, Horse; 3d, The Mechanical Powers (Water, Wind, Compressed Air, Gas, Oil, and Steam)—their Comparative Values and Advantages.
7. *Farm Servants*.—Their Labour and Wages—Day-work and Piece-work. Detailed and total costs of Horse and Hand Labour.
8. *Systems of Farming and the Importance of Rotations*.—Different Rotations and reasons why they are adopted.
9. *Our Farm Crops* (Grain, Root, Forage, and Hay Crops).—Their Selection and Growth; the Garton System of Plant Breeding—Prevention of Insect Injuries and Diseases.
10. *Identification of Grasses and other Valuable Pasture Plants*.—Character and Habits of those of importance—Detection of Adulterations—Regulations necessary to protect the Farmer in buying Seeds.
11. *The Management of Permanent Pasture*.—Proper Methods of making new Pasture—its After-treatment.
12. *Weeds in Pastures* and Means of Destroying them.
13. *Silage and the System of Ensilage*.—Its Advantages, &c.—Its Suitability and Unsuitability according to Locality.

14. *Manures*.—Farm-yard Manure — its proper Mixing, Storing, and Application—its great advantage as a General Manure. Special Manures and so-called Artificials — their Uses, Abuses, and Adulterations — the proper Times and Methods of their Application The Value and Use of Liquid Manure and Town Sewage.

15. *Buildings and Fences*.—The proper Construction of Fences—the General Arrangement of Farm-Buildings—the best Flooring and Inside Plans and Dimensions of Byres, Cattle-Sheds, Stables, &c.—Covered Yards—Ventilation—Drainage of Houses and Farm-yards.

16. *Live-Stock, embracing Cattle, Pigs, Horses, Sheep*.—The Various Breeds of each, and suitability of some to Local Conditions—"The Principles of Breeding." Feeding and Management—Cost of Feeding—Proper Mixtures of Food to Use. Cost of the Production of a Stone of Beef, Mutton, and Pork, showing the Amount of Profit in each Case.

17. *Dairying in all its Branches*, including the suitability or otherwise of surrounding Conditions—the proper Classes of Dairy Stock to keep, and their Management—the Treatment of Milk, and its Sale or Manufacture into Cheese, Butter, &c.

18. *Feeding Stuffs*.—Suitability of the Common Food Substances to the Different Classes of Farm Stock—The Purchase, Storing, and Administration of the same—their Manurial Residues.

2. AGRICULTURAL CHEMISTRY.

1. *Atmosphere*.—Relation of its Constituents and Conditions to Plant Life.

2. *Soils*.—Origin, Formation, Composition, Biology, Amelioration.

3. *Plants*.—Constituents, Germination, Nutrition, Maturation, Decay, Putrefaction, Fermentation.

4. *Manures*.—Nature, Uses, Application, Valuation, Compatibility, Exhaustion.

5. *Crops*.—Classification, Relation, Preservation, Uses as Fodder, Residual Value.

6. *Animal Nutrition*.—Nutritive Processes, Laws of Flesh and Fat Production, Digestibility of Fodders, Nutrient Ratio, Relation of Food to Work and to Manure.

7. *Dairy*.—Composition of Dairy Products, Circumstances affecting Quantity and Quality, Scientific Management.

Testing Simple Mixtures for the detection of:—(a) Potassium, Sodium, Ammonium, Magnesium, Calcium, Aluminium, Iron, Arsenic, Manganese, Antimony, Copper, Lead, Mercury.

(b) Sulphate, Sulphite, Sulphide, Phosphate, Carbonate, Silicate, Nitrite, Nitrate, Chloride, Acetate, Oxalate, Tartrate, Citrate.

Tests for Sugars, Starches, Fats, Proteids.

Chemical, Physical, and Microscopic Tests for Adulteration in Manures, Feeding Stuffs, and Dairy Produce.

Methods of determining amounts of Clay, Sand, Carbonates, Humus, and Moisture in Soils.

Phosphoric Acid, Potash, Nitrogen, Lime, Magnesia, Insoluble Matter and Moisture in Soils and Manures.

Albumen, Amides, Fat, Carbohydrates, Woody Fibre, and Ash in Fodders.

3. GEOLOGY.

(1) *Dynamical Geology*.—Nature and operation of Geological agents:—The Atmosphere, Rain, Terrestrial Waters, Ice, the Sea, Plants and Animals, Volcanoes, Movement of the Earth's Crust.

(2) *Mineralogy*.—Physical and Chemical Characters of the more important and typical species in the various mineral groups—more especially the Rock-forming Minerals and Ores.

(3) *Petrography*.—Macroscopic and Microscopic Characters, Composition, Origin and Distribution of Common Rocks.

(4) *Structural Geology*.—Structure of Rock-masses, Bedding, Joints, Cleavage, Foliation, Metamorphism, Faults, Unconformity.

(5) *Physiographical Geology*.—Origin of the present outlines of the Earth's Surface.

(6) *Agricultural Geology*.—Nature and Origin of Soils and Subsoils; Draining in connection with Geological Structure; Mineral substances used as Manures.

4. VETERINARY HYGIENE.

1. The Comparative Osteology (rudimentary) of the Horse, Ox, and Sheep.

2. The Physiology of Dentition in Horse, Ox, Sheep, and Pig, more especially as indicative of the Age of the Animal.

3. The Physiology of Gestation; the Diseases incidental to the pregnant state, and also those consequent to the act of parturition.

4. Description of the Digestive Organs of the Horse, Ox, and Sheep (separately), also their Physiology, and most ordinary Diseases.

5. Contagious and other Diseases of Farm Stock. Prevention and Treatment of Diseases.

5. AGRICULTURAL ENTOMOLOGY.

Insect pests of cultivated plants and of farm live stock. Methods of prevention of, and of remedy for, their attacks. Classification of insects, and details of their structure and life history, in so far as of economic importance.

6. ECONOMIC SCIENCE.

See Syllabus in Arts. First Half of Course.

7. (a) FORESTRY.

1. *Sylviculture*.—Atmosphere, Climate, and Soil, as affecting Forest Vegetation; shape and development of forest trees; pure and mixed woods; the sylvicultural systems; formation and tending of woods.

2. *Injuries to Standing Woods and their Protection*.—Winds and storms, fires, animals, fungi, weeds, frost, snow, drought, &c.

3. *Utilisation of Produce.*
4. *Structure, Classification, and Technical Properties of Timber.*
5. *Forest Organisation.*—The principles on which working plans are based.

7. (b) EXPERIMENTAL PHYSICS.

The Measurement of Physical Constants, such as—Specific Gravity, Specific Heat, Conductivity, Dilatation, Refractive Index, Magnetic and Electric Quantities, &c.

7. (c) ENGINEERING.

1. *Mechanics.*—(a) Principles of Statics; couples; moments of forces; parallel and inclined forces; centre of gravity; moments of inertia; friction, (b) Principles of Kinematics and Kinetics; Newton's laws of motion; Conservation and transformation of energy.

2. *Strength and Properties of Structural Materials*, including their fitness and adaptability, together with some knowledge of their cost.

3. *Strength and Stability of Structures.*—General knowledge of the design, construction, and maintenance of Roads, Roofs, Bridges, Embankments, Retaining Walls, Aqueducts, and General Buildings.

4. *Hydraulics.*—The laws governing the flow of water in open and closed channels, and its discharge through orifices; Systems of Drainage and Irrigation; Pumps, &c.

5. *Mechanism and Machinery.*—General Principles and means of transmission, conversion, and modification of motion; general millwright work with special reference to the machines ordinarily employed for agricultural purposes.

6. *Prime Movers.*—A knowledge of the sources and modes of estimating power; the Steam Engine; Pneumatic Machines; Hydraulic Motors, Water-wheels, Turbines, &c.

8. ENGINEERING FIELD WORK.

Surveying, with special reference to Estate and Parish Surveying, Levelling, Gauging of Streams and Rivers, Plotting of Surveys and Sections, Setting out of Work, and Calculation of Quantities.

FEES FOR EXAMINATIONS FOR DEGREES.

1. PRELIMINARY EXAMINATION.

The Fee is 10s. 6d. for each appearance.

2. FEES FOR EXAMINATIONS OR FOR REGISTERING EQUIVALENTS.

(1) *Pure Science and Engineering*—

First B.Sc. Examination, ...	£3 3 0
(or for each subject, £1, 1s.)	
Second B.Sc. Examination, ...	3 3 0
Doctor of Science, ...	10 10 0
	£16 16 0

(2) *Public Health*—

First B.Sc. Examination, ...	£3	3	0
Second B.Sc. Examination, ...	3	3	0
For the Degree of Doctor, ...	10	10	0
	£16 16 0		

(3) *Agriculture*—

First B.Sc. Examination, ...	£3	3	0
(or for each subject, £1, 1s.)			
Second B.Sc. Examination, ...	3	3	0
	£6 6 0		

Candidates for the Degree of B.Sc. who fail to pass pay a fee of 10s. 6d. for re-examination in each subject, and Candidates for D.Sc. pay a fee of £5, 5s. for each re-examination.

If, after payment of the fee, a candidate withdraws or fails to be present at the examination, the fee will not be returned, but the candidate will be allowed to enter on one subsequent occasion for examination in the same subject or subjects without the payment of any additional fee.

Every Candidate for Graduation must pay the fee of £1 for Registration as a Member of the General Council of the University, at least one clear day before the date of Graduation.

All communications relating to the Curriculum and Examinations for Degrees, Fellowships, Scholarships, &c., in Science should be addressed to *The Dean of the Faculty of Science*, University, Edinburgh.

All Examination, Matriculation, and Registration Fees are payable at the *Matriculation Office*, University. Candidates may pay the Fees personally, or transmit them to T. GILBERT, by *Post Office*, or *Postal Orders*, or by *Bank Drafts*, crossed "Union Bank of Scotland (Hunter Square Branch), Edinburgh," but not by cheques on private accounts.

TIME-TABLE OF EXAMINATIONS AND DATES FOR PRESENTING CERTIFICATES AND PAYMENT OF FEES.¹

Candidates are required to enter for each periodical examination at which they desire to appear, and to state the subject or subjects in which they desire to be examined.

¹ When names are not entered, nor fees paid, on or before the stated dates, or a Pass obtained where the fee has been previously paid, a late-entry fee of ten shillings must be paid before the Candidate can be admitted to examination. In the case of Degree Examinations, this fee will not be received after Twelve o'clock of the last day but one preceding the Examination for which the Candidate desires to appear without the express permission of the Dean of his Faculty and the subsequent sanction of the Senatus. A Candidate must enter his name and pay the fee, or, when the fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear. A Candidate is not held to be entered until his Schedule is lodged, the Fee paid, and a Pass to the Examination obtained.

The dates of the Examinations for 1906-1907 have been fixed as follows:—

PRELIMINARY EXAMINATION.¹

1906.		
Sept.	21. Fri.	Names to be given in, and Fees paid, <i>on or before</i> this date.
	28. Fri.	English, 1st paper, 9-11; Higher Latin, 1st paper, 12-2; Lower Latin, 3-6.
	29. Sat.	English, 2nd paper, 9-11; Intermediate and Higher Mathematics, 1st paper, 12-2; Lower Greek, 3-6.
Oct.	1. Mon.	Higher Latin, 2nd paper, 9-11; Intermediate and Higher Mathematics, 12-2.
	2. Tu.	Higher Greek, 1st paper, 9-11; French, 1st paper, 12-1.30; Dynamics, 3-6.
	3. Wed.	Higher Greek, 2nd paper, 9-11; French, 2nd paper, 12-2; German, 1st paper, 3-4.30.
	4. Th.	German, 2nd paper, 9-11; Italian, 12-1.30, 3-5.

1907.		
Mar.	1. Fri.	Names to be given in, and Fees paid, <i>on or before</i> this date.
	29. Fri.	English, 1st paper, 9-11; Higher Latin, 1st paper, 12-2; Lower Latin, 3-6.
	30. Sat.	English, 2nd paper, 9-11; Intermediate and Higher Mathematics, 1st paper, 12-2; Lower Greek, 3-6.
April	1. Mon.	Higher Latin, 2nd paper, 9-11; Intermediate and Higher Mathematics, 2nd paper, 12-2.
	2. Tu.	Higher Greek, 1st paper, 9-11; French, 1st paper, 12-2; Dynamics, 3-6.
	3. Wed.	Higher Greek, 2nd paper, 9-11; French, 2nd paper, 12-2; German, 1st paper, 3-5.
	4. Th.	German, 2nd paper, 9-11; Italian, 12-2, 3-5.

1906.		FIRST SCIENCE EXAMINATION. ¹
Oct.	3. Wed.	Names to be given in, Certificates shown, and Fees paid, <i>on or before</i> this date.
	11. Th.	Mathematics, 9-11, 11.30-1.30; Natural Philosophy, 2.30-4.30.
	12. Fri.	Natural Philosophy, 9-11; Mathematics for Engineering, 10.30-1.30, 2.30-5.30.
	18. Th.	Zoology, 12-2; Botany, 2.30-4.30.
1907.		
Mar.	6. Wed.	Names to be given in, and Fees paid, <i>on or before</i> this date.

¹ See footnote, page 323.

1907.

Mar.	22.	Fri.	Certificates to be examined from 10-3.
"	25.	Mon.	Chemistry, 10-12; Practical Chemistry and Oral Examinations may begin; Laboratory Work (Public Health), 10-12; Physics (Public Health), 1-3.
"	26.	Tu.	Botany, 10-12; Zoology, 1-3; Geology (Public Health), 1-3.
"	27.	Wed.	Practical Work in Public Health Laboratory begins. Oral Examinations in Botany and Zoology begin.
"	30.	Sat.	Mathematics, 12-2; Mathematics for Engineering (1st paper), 2.30-5.30.
April	1.	Mon.	Mathematics, 12-2; Drawing (Engineering), 1-4.
"	4.	Th.	Mathematics for Engineering (2nd paper), 2-5.
"	5.	Fri.	Natural Philosophy, 9-11, 11.30-1.30.
July	4.	Th.	Names to be given in, and Fees paid, <i>on or before</i> this date.
"	17.	Wed.	Certificates to be examined from 10-3.
"	18.	Th.	Chemistry, 10-12; Practical Chemistry and Oral Examinations may begin; Laboratory Work (Public Health), 10-12; Physics (Public Health), 1-3.
"	20.	Sat.	Geology (Public Health), 1-3.
"	22.	Mon.	Practical Work in Public Health Laboratory begins.

FINAL SCIENCE EXAMINATION.¹

1906.

Oct.	3.	Wed.	Names to be given in, Certificates shown, and Fees paid, <i>on or before</i> this date.
"	11.	Th.	Zoology, 10-1 (1st paper), 2-5 (2nd paper); Practical Examination at time to be arranged.

1907.

Feb.	20.	Wed.	Names to be given in, and Fees paid, <i>on or before</i> this date.
"	23.	Sat.	Agricultural Entomology, 9-11.
Mar.	6.	Wed.	Names to be given in, and Fees paid, <i>on or before</i> this date.
"	11.	Mon.	Certificates to be examined.
"	14.	Th.	Economic Science (Agriculture), 5-7.
"	22.	Fri.	Certificates to be examined.
"	26.	Tu.	Botany, 9-12 (1st paper), 1-3 (2nd paper); Pract. Exam. at time to be arranged; Vet. Hygiene, 1-3.
"	27.	Wed.	Engineering, 9-12; Physiology, 1-3 (1st paper).
"	28.	Th.	Engineering, 9-12; Physiology, 1-4 (2nd paper). Practical Examination at time to be arranged. Geology (Agric. and Engineering), 1-3.

¹ See footnote, page 323.

1907.		
Mar. 29.	Fri.	Engineering, 9-12; Astronomy, 9-12 (1st paper), 1-3 (2nd paper). Agriculture, 9-12; Agricultural Chemistry, 1-3; Practical Examination in Agricultural Chemistry, at time to be arranged.
April 1.	Mon.	Engineering, 9-12.
„ 2.	Tu.	Mathematics, 9-12; Electrical Engineering, 9-12.
„ 3.	Wed.	Mathematics, 9-12, 2-5; Forestry, 10-12; Engineering Field - Work (Agriculture), 2-5; Dynamics (Engineering), 2-5.
„ 4.	Th.	Mathematics, 9-12; Drawing (Engineering), 9-12, 2-5; Engineering (Agriculture), 9-12; Experimental Physics (Agriculture), 3-5.
„ 5.	Fri.	Natural Philosophy, ¹ 9-12, 2-5; Experimental Physics, 9-12; Engineering Laboratory, 9-12.
„ 12.	Fri.	GRADUATION CEREMONIAL.
June 3.	Mon.	Names to be given in, and Fees paid, <i>on or before</i> this date.
„ 8.	Sat.	Medicine (Public Health), 10-12; Sanitary Law, 1-3; Vital Statistics, 4-6.
„ 10.	Mon.	Sanitation, 10-12; 1-4. Oral and Pract. Exam. at times to be arranged.
July 4.	Th.	Names to be given in, and Fees paid, <i>on or before</i> this date.
„ 13.	Sat.	Certificates to be examined.
„ 15.	Mon.	Geology, 9-12 (1st paper), 1-3 (2nd paper); Practical Examination at time to be arranged. Geology (Agric. and Engineering), 1-3.
„ 17.	Wed.	Practical Examination in Chemistry may begin.
„ 18.	Th.	Chemistry, 9-12 (1st paper), 1-3 (2nd paper).
„ 20.	Sat.	Human Anatomy (including Anthropology), 9-12 (1st paper), 1-3 (2nd paper); Practical Examination at time to be arranged.
„ 26.	Fri.	GRADUATION CEREMONIAL.

DOCTOR OF SCIENCE.²

D.Sc. Candidates in Pure Science and in Engineering are required to lodge their Theses and proof of their eligibility with the *Dean of the Faculty of Science* at the Matriculation Office, and to pay the Fees on or before 1st December.

Candidates in Public Health are required to lodge their Theses and pay their Fees on or before 1st February, and to intimate the subjects in which they desire to be examined to the Dean before 1st May. The examination will take place about the middle of June.

¹ The dates of Examinations in elective branches will be arranged to suit the convenience of Candidates.

² See footnote, p. 323.

Degrees in Science.

DOCTORS OF SCIENCE.

The names of the Doctors of Science previously to 1889, will be found in the Historical Appendix to List of Graduates published in 1889, pp. 132-134. The following are the names of the Doctors from 1889 to 1906, both years included:—

IN PURE SCIENCE.

- | | |
|------------------------------------|----------------------------------|
| 1889. Thomas Rhymer Marshall. | 1901. Alfred Hay, B.Sc. |
| 1890. Alex. Crichton Mitchell. | „ John Edwin Mackenzie, |
| „ Hugh Marshall. | B.Sc. |
| 1891. William Cossar Mackenzie. | „ John Vernon Rees Roberts, |
| 1891. Thomas Smith Murray. | M.D., B.Sc. |
| 1862. Jacques François Marais, | „ James Young Simpson, |
| B.A. | M.A., B.Sc. (Scotland). |
| 1893. John Shields. | „ William White Taylor, |
| 1894. Malcolm Laurie, B.Sc. | M.A., B.Sc. |
| „ Charles Hunter Stewart, | „ Samuel Walker, M.A., B.Sc. |
| M.B., C.M., B.Sc. | 1902. Alexander Dingwall White, |
| 1895. Arthur Pillans Laurie, B.Sc. | B.Sc. |
| 1896. John Carruthers Beattie, | „ Betram Prentice, B.Sc. |
| B.Sc. | 1903. James Peter Hill, B.Sc. |
| „ John Charles Mitchell, | „ Sutherland Simpson, B.Sc. |
| B.Sc. | „ Robert Greig Smith, B.Sc. |
| 1897 Frederick Beddow, B.Sc. | 1904. Robert Henry Elliot, M.B., |
| „ Alexander Morgan, M.A., | B.Sc. |
| B.Sc. | „ Charles Edward Fawsitt, |
| „ Gregg Wilson, M.A., B.Sc. | B.Sc., Ph.D. |
| 1898. Robert Stewart Mac- | „ George Percy Leishman, |
| Dougall, M.A., B.Sc. | B.Sc. |
| „ Joseph Prokop Pražák, | „ Francis Hugh Adam |
| Ph.D., D.Jur. | Marshall, B.A. |
| 1899. John Henderson, B.Sc. | „ Thomas Swale Vincent, |
| „ Thomas Cleghorn Baillie, | M.B. |
| M.A., B.Sc. | 1905. Thomas Nelson Annan- |
| „ George Coull, B.Sc. | dale, B.A. |
| 1900. John Smith Flett, M.A., | „ Alfred Archibald Boon, |
| B.Sc. (Edin.). | B.A., B.Sc. |
| „ James Rymer Paterson, | „ Orlando Charnock Bradley, |
| B.Sc. (Edin.). | M.B., Ch.B. |
| 1901. Alexander Wilmer Duff, | „ Alexander Lauder, B.Sc. |
| M.A., B.Sc. | |

IN ENGINEERING.

- | | |
|------------------------------|----------------------------|
| 1898. John Thomas Nicolson. | 1901. Ernest George Coker, |
| 1899. John Archibald Purves, | B.Sc. |
| B.Sc. | 1902. John Lundie, B.Sc. |
| | „ Thomas Summers, B.Sc. |

IN PUBLIC HEALTH.

- | | |
|------------------------------|-------------------------------|
| 1890. James Anderson, M.D. | 1894. Henry Halcro Johnston, |
| „ James Andrew Blair, M.B. | M.D. |
| „ William John Brock, M.B. | „ John Macmillan, M.A., |
| „ John Stevenson, M.B. | M.B., C.M. |
| 1892. Charles Henry Bedford, | „ Charles Templeman, M.D. |
| M.D. | 1898. Walter Holland Ogilvie, |
| „ Robert William Dickinson | M.B., C.M., B.Sc. |
| MacMartin Cameron, | „ Charles Hubert Bond, |
| M.D. | M.D., B.Sc. |
| „ Alex. C. Houston, M.B., | „ Charles Killick Millard, |
| C.M. | M.D., B.Sc. |
| „ William George Aitchison | 1899. John Penny, M.B., C.M., |
| Robertson, M.D. | B.Sc. |
| 1893. Edward Henry Ezard, | 1900. Arthur Douglas Webster, |
| M.D. | M.D., B.Sc. |
| „ John Howard - Jones, | 1901. Charles James Lewis, |
| M.B. | M.B., B.Sc. |
| „ John Fred. Joseph Sykes, | 1903. Alfred Charles Coles, |
| M.B. | M.D., C.M., B.Sc. |
| „ James Buchanan Young, | 1905. Robert Martin Beattie, |
| M.B. | M.B., C.M., B.Sc. |

Degrees Conferred in 1905-1906.

THE DEGREE OF DOCTOR OF SCIENCE.

IN PURE SCIENCE.

28th July 1905.

John Dow Fisher Gilchrist, M.A., B.Sc.

Alfred Ernest Sprague, M.A., B.Sc.

12th April 1906.

John Downie Falconer, M.A., B.Sc. *Thesis*—"The Igneous Geology of the Bathgate and Linlithgow Hills" (*in absentia*).

John Kenneth Harold Inglis, B.Sc. *Thesis*—"The Isothermal Distillation of Gases at Low Temperatures, and its Application to Gas Analysis."

Samuel Morell Johnston, B.A. *Thesis*—"The Elevation of the Boiling Points of Aqueous Solutions of Electrolytes."

THE DEGREE OF BACHELOR OF SCIENCE.

IN PURE SCIENCE.

28th July 1905.

Thomas James Anderson.

John Randolph Davidson, M.A.

Alexander Daniel Edington.

¹ William Edgar Evans.

William Forbes.

¹ William M'Rae, M.A.

Alexander Johnson Merriles,
M.A.

² William Somerville Millar, M.A.
John Strath, M.A.

12th April 1906.

¹ Matthew Miller Baird.

James Black, M.A.

Alexander Thomas Cameron,
M.A.

² Thomas Field Cowie.

³ William Thomas Gordon, M.A.

⁴ Joseph Godwin Greenfield.

⁵ John Harkess, M.A.

James Todd Johnstone, M.A.

Robert M'Intosh, M.A.

James Mason, M.A.

⁶ John Lyon Pirie, M.A.

⁷ John Robertson.

¹ James Waterston, M.A., B.D.

¹ Passed with Special Distinction in Botany.

² Passed with Special Distinction in Chemistry.

³ Passed with Special Distinction in Geology.

⁴ Passed with Special Distinction in Anatomy and Anthropology.

⁵ Passed with Special Distinction in Natural Philosophy.

⁶ Passed with Special Distinction in Astronomy.

⁷ Passed with Special Distinction in Mathematics.

IN ENGINEERING.

28th July 1905.

Alexander Brebner.
Thomas Adair Young.

12th April 1906.

James Bain.
Thomas Patrick William Barty.
John Harold Buchanan.
James Cochrane.
Henry Fraser.
Alexander Macmillan Heron.
Reginald St John Mitchell.
David Shepherd.
John Letham White.

IN PUBLIC HEALTH.

28th July 1905.

Robert Henry Watson, M.A., M.D.

IN AGRICULTURE.

28th July 1905.

Andrew George Ross.

12th April 1906.

John Anderson.
Horatius Hugh Corbin, B.Sc. (Lond.).
Narayana Kunjan Pillai, M.A.
William Thomas Stockley.

Fellowships, Scholarships, Bursaries, Prizes, &c., in Science.

I.—FELLOWSHIPS.

See Note under Scholarships, page 197.

I.—THE FALCONER MEMORIAL FELLOWSHIP.

This Fellowship was founded in 1869 by the Subscribers to the Fund for a Memorial to Hugh Falconer, M.D. (for many years Superintendent of the H. E. I. Company's Botanic Gardens at Suharunpoor and Calcutta), and the Association for the better Endowment of the University, for the encouragement of the Study of Palæontology and Geology. It is of the annual value of about £120, and is tenable for two years, but if the Senatus sees fit, it may be held for three years, and with consent of the University Court, for four years. It is awarded after competitive examination in Natural History as applied to Palæontology and Geology, and is open to Graduates in Science or Medicine of this University of not more than three years' standing at the time of the competition. It cannot be held along with any other Fellowship, Scholarship, or Bursary in any Scottish University. The Deed of Foundation will be found at p. 270 of the *CALENDAR* for 1870-71. The next appointment may be made in July 1907.

1905. *Robert Campbell, M.A., B.Sc.*

II.—GEORGE HERIOT'S RESEARCH FELLOWSHIPS.

For particulars apply to DAVID LEWIS, Treasurer, George Heriot's Trust, 20 York Place, Edinburgh; and see under Faculty of Arts.

II.—SCHOLARSHIPS, &c.

I.—BAXTER PHYSICAL SCIENCE SCHOLARSHIP.

This Scholarship was founded by Sir David Baxter, Bart., of Kilmaron, in 1865, and is of the annual value of about £75, tenable for two years. It is awarded, on the result of the Final Examination for the Degree of Bachelor of Science, to the student who is most distinguished in two or more of the Physical Science subjects—viz., Mathematics, Natural Philosophy, Astronomy, Chemistry, either in the year preceding a vacancy, or in the year in which a vacancy occurs. The holder is required to satisfy the Senatus Academicus that he has been pursuing his studies in Science during the first year of his tenure in such a manner as the Senatus may fix. It cannot be held with any other Scholarship, Fellowship, or Bursary, or with any situation yielding an annual income of £100. Next vacancy in 1908.

1906.

II.—BAXTER NATURAL SCIENCE SCHOLARSHIP.

This Scholarship was founded by Sir David Baxter, Bart., of Kilmaron, in 1865, and is of the annual value of about £75, tenable for two years. It is awarded, on the result of the Final Examination for the Degree of Bachelor of Science, to the Student who is most distinguished in two or more of the Natural Science subjects—viz., Human Anatomy, including Anthropology; Physiology, including Histology; Geology, including Mineralogy; Zoology, including Comparative Anatomy; Botany, including Vegetable Histology, either in the year preceding a vacancy, or in the year in which a vacancy occurs. The holder is required to satisfy the Senatus Academicus that he has been pursuing his studies in Science during the first year of his tenure in such manner as the Senatus may fix. It cannot be held with any other Scholarship, Fellowship, or Bursary, or with any situation yielding an annual income of £100. Next vacancy in 1908.

1906.

III.-VIII.—VANS DUNLOP SCHOLARSHIPS.

These Scholarships are each of the annual value of £100, and are tenable for three years. The following are the General Regulations:—

Competitors must have regularly attended at least one full Course or two Half-Courses in the University of Edinburgh during each Academic year in which they claim to have been Matriculated Students, and no Candidate is eligible who has discontinued attendance at the University of Edinburgh for more than one year. The years of Academic study count from the first year in which a Candidate has attended one of the classes qualifying for the degree of B.Sc.

Each scholarship is tenable for three years, on condition that the scholar submits annually to the University evidence that he is prosecuting his studies or his professional work in a manner satisfactory to the Senatus. The evidence may consist of—(1) A certificate of attendance on lectures or laboratories approved by the Senatus; or (2) a certificate of having acted as an assistant to a Professor in this or some other University; or (3) a written report of his work done during the year, together with a Thesis composed by himself in connection with some part of that work.

Not more than one of these Scholarships can be held by the same person. Scholars cannot hold, along with their Scholarships, any other Fellowship, Scholarship, or Bursary in the University of Edinburgh.

Candidates must, on entering for the Examinations, produce evidence that they have fulfilled the conditions of eligibility.

Candidates, if not already matriculated, are required to pay the Matriculation Fee for the year in which the Competition takes place.

The names of Candidates highly distinguished in the examinations may be published.

III.—MATHEMATICS.¹

The next Competition will take place in April 1907.

IV.—NATURAL PHILOSOPHY.¹

The next Competition will take place in April 1907.

V.—AGRICULTURE AND RURAL ECONOMY.

This Scholarship is open to all Matriculated Students who have regularly attended classes in this University for not less than two and not more than six years, and who have attended the Class of Agriculture and Rural Economy within one year of the date of Competition. The subjects of Examination are Agriculture, Chemistry, Botany, and Veterinary Science. The next Competition will take place in March 1907. Names to be entered on or before 1st March.

1904. *A. E. Parr, B.Sc.*

VI.—CHEMISTRY.

(1) The subjects of Examination are:—(a) Inorganic and Organic Chemistry, and the connection between the Chemical and Physical character of Substances. (b) Qualitative and Simple Quantitative Analysis of Inorganic Substances, and the Preparation of Pure Chemical Substances. (2) The Examination in subjects (a) is similar, and will be held at the same time as the Second B.Sc. Examination. The Examination in subjects (b) is conducted practically in the Laboratory. (3) The Competition is open to all Students of the University, from the second to the sixth year (inclusive) of their attendance, and will take place in July 1909.

1906.

VII.—NATURAL HISTORY, INCLUDING GEOLOGY AND BOTANY.

(1) The subjects Natural History, Geology, and Botany are coequal in the Examination, and the Examination in each of the three subjects is similar to that for the Second B.Sc. in Pure Science, and consists of two parts—a Written Examination extending over not less than three hours, and a Practical Examination with specimens.

(2) The next Examination will be held in April 1907, at the same time as the Second B.Sc. Examination.

(3) The Competition is open to all Students of the University, from the second to the sixth year (inclusive) of their attendance.

1904. *A. Ninian Bruce.*

¹ For particulars, see "Scholarships" in Faculty of Arts.

VIII.—ENGINEERING AND MECHANICAL AND USEFUL ARTS.

The Examination is similar to that for the Second B.Sc. in Engineering, with the addition of questions on prescribed books treating of Engineering and Mechanical and useful Arts.

The Competition is open to all Matriculated Students who have been in regular attendance on the Class of Engineering for at least two Winter Sessions, and who have not been Students of the University for more than four years. The next Competition will take place in April 1907.

The Examiners are the Professor of Engineering and the Lecturer in Applied Mathematics.

IX.—STEVEN SCHOLARSHIP IN AGRICULTURE.

This Scholarship was founded in 1882 by the Misses Steven of Bella-houston in memory of their brother Moses Steven, Esq. It is of the value of £69, and is awarded annually, in connection with the Class of Agriculture, the subjects of examination being Agriculture and General and Agricultural Chemistry. Names to be entered on or before 1st March.

The Scholar is required to visit the annual exhibitions of the four leading agricultural societies, or such as the Professor of Agriculture shall appoint, and to report on his visit or visits to the satisfaction of the Professor of Agriculture. The Exhibitions which the Scholar is required to visit are :—

The Royal Agricultural Society of England.

The Bath and West of England Agricultural Society.

The Highland and Agricultural Society of Scotland.

Royal Agricultural Society of Ireland.

See Deed of Foundation at p. 397 of CALENDAR for 1882-83.

1906. *Andrew M^r Kerral.*

X., XI.—HOPE PRIZE SCHOLARSHIPS.

Two Hope Prize Scholarships have been instituted (with funds formerly of the Hope Chemistry Prize founded by the late Professor Thomas C. Hope) in connection with the Chemical Laboratory of the University, each of the value of about £30 per annum, tenable for one year, and awarded annually at the end of the Winter Session. Each Scholarship is awarded to the student whom the Professor of Chemistry thinks most deserving of those who have worked during that Winter Session in the Chemical Laboratory of the University. The scholars must work during the Summer and Winter Sessions succeeding their appointment in the Chemical Laboratory of the University, and must assist the Professor of Chemistry in such manner as he thinks fit in each case, and the scholars are not required to pay fees for the Labora-

tory. In case of resignation of a scholar, or of a scholar failing to fulfil the conditions, the Professor of Chemistry may, if he thinks proper, recommend a student working in the Chemical Laboratory for the remainder of the Scholarship so become vacant, the new scholar so appointed to perform the duties and receive the payments during the remainder of the time for which his predecessor was appointed. Scholars may, in case of great distinction, be appointed for a second year.

1906. *Thomas W. Moore.*
Robert C. Wallace.

XII.—NEIL ARNOTT SCHOLARSHIP IN EXPERIMENTAL PHYSICS.¹

Is awarded annually in April.

XIII., XIV.—THE MACKAY SMITH SCHOLARSHIPS.

These Scholarships, one in Natural Philosophy and one in Chemistry, each of the annual value of £25, tenable for two years, and to be held under such regulations and conditions as the Senatus may from time to time direct. The Scholarship in Natural Philosophy is open for competition to Students who have attended the Class of Natural Philosophy, and the Scholarship in Chemistry to Students who have attended the Class of Chemistry, both in this University. The successful Candidate for the Scholarship in Natural Philosophy is bound to attend the Class of Natural Philosophy, or to prosecute the study thereof, in the University during at least one year of his tenure of the Scholarship, in such way as the Senatus may direct or approve. Candidates for the Natural Philosophy Scholarship will be expected, besides attending the Examination, to submit properly authenticated records of Laboratory work performed by them: and such records will be taken into consideration by the Examiners.

The Scholarship in Chemistry is held under similar conditions as regards attendance on the Class of Chemistry, and the prosecution of the study thereof. The next Competition in Natural Philosophy will take place at the end of Winter Session 1906, and in Chemistry in July 1906.

1906.

XV.—ROYAL COMMISSION FOR EXHIBITION OF 1851 PHYSICAL SCIENCE SCHOLARSHIP.

The Commissioners for the Exhibition of 1851 give this University the power of nominating a Student to a Scholarship of £150 a-year, tenable for two years, and which may be extended to three years under the following conditions, viz. (a) That he is a British subject; (b) That he has been a *bona-fide* student of Science in this University for three

¹ For particulars, see "Scholarships" in Faculty of Arts.

years ; (c) That he has been for a full year previous to his appointment, and at the date of his appointment is, a student of the University, or has been a student of the University for a full year ending within twelve months prior to the date of his appointment, and since ceasing to be such student has been engaged solely in scientific study. The Scholarship is limited to those branches of Science (such as Physics, Mechanics, and Chemistry) the extension of which is specially important for the national industries, and may be tenable in any University or other Institution to be approved by the Commissioners. Applications must be made annually not later than the 1st of March. See Regulations, p. 544 of CALENDAR for 1891-92.

1906. *Peter David Innes, M.A., B.Sc.*

XVI., XVII.—THE ARTHUR TREVELYAN SCHOLARSHIPS IN ENGINEERING.

Two Arthur Trevelyan Scholarships in Engineering, of about £17 per annum, for proficiency in Engineering and the Mechanical and Useful Arts, tenable in this University for two years. Candidates must not be more than nineteen years of age, must have passed the preliminary examination or its equivalent, and must not have attended more than one Winter and one Summer Course in Engineering and field work respectively, either in this University or elsewhere. The subjects of examination are (a) Mathematics, as far as the subjects required for the first B.Sc. examination in Engineering ; (b) Physics to the same extent ; (c) Engineering (the subjects of the previous Winter Session and field work) ; (d) geometrical drawing and elementary graphics. See Excerpt from Deed, page 538 of CALENDAR for 1892-93. One Scholarship is awarded annually in March.

1906. *P. D. Booth.*

XVIII., XIX.—MISSES BAXTER OF BALGAVIES SCHOLARSHIPS AND BURSARIES.

Under this Endowment there are two Scholarships, of the annual value of £40, and two Bursaries of the annual value of £30. They are in the gift of the Directors of the High School of Dundee, and are open for competition to all pupils of that school who shall have finished their course at the time, or within one year previously. The examination is held in Dundee by examiners appointed by the Directors, and the subjects are Geometry, Algebra, Trigonometry, and Mechanical Drawing. The Scholarships are tenable for one year certain, and for a second if a favourable certificate is sent to the Directors by the Senatus Academicus, and the Bursaries for two years. The patrons may extend the tenure of these Scholarships for a further period of one year, provided the holder shall have previously passed the First Examination for the Degree of Bachelor of Science in the Department of

Engineering in this University. The Classes to be attended during the first two years are Mathematics, Natural Philosophy (two courses), Engineering (two courses), and Chemistry, and may (by resolution of the Senatus), be attended in any order most convenient to the scholar, provided he intimate his intentions to the Dean of the Faculty of Science beforehand. In the event of a third year's tenure, the Scholar may attend any two classes selected by himself and approved by the Senatus.

These Scholarships are not to be held with any other Scholarship, Fellowship, or appointment yielding £50 per annum. *See* Deeds of Foundation, at page 255 of the CALENDAR for 1869-70, at p. 372 of CALENDAR for 1878-79, and at p. 377 of the CALENDAR for 1881-1882.

XX.—GRAY SCHOLARSHIP FOR RESEARCH.¹

XXI.—REID AND THOMSON BURSARY IN CIVIL AND PRACTICAL ENGINEERING.

This Bursary is of the annual value of £45, is tenable for two years in this University, and may be awarded in April 1906 on the results of the First B.Sc. Examination in Mathematics and Natural Philosophy. Should the Bursar pass the Final Examination for B.Sc. in Engineering during the second year of his tenure of the Bursary, it may be continued for a third year, during which he shall be required to undertake some original research work and to assist in laboratory teaching of the Engineering department. Candidates must have passed the Preliminary Examination or its equivalent, and attended during their first Winter Session, courses in Mathematics and Natural Philosophy qualifying for the First B.Sc. Examination in Engineering, and must, unless excused by the Senatus, complete the First Science Examination in Engineering during their first year's tenure of the Bursary. The Bursary cannot be held, unless with the express permission of the Senatus, along with any other University Scholarship, Fellowship, or Bursary. Candidates must, on entering for the Examination produce evidence that they have fulfilled the conditions of eligibility, and during the whole tenure of the Bursary, the holder must prosecute his studies in Engineering in the University to the satisfaction of the Senatus, and with the view of obtaining the Degree of B.Sc. in Engineering. The Subjects of Examination are (a) Mathematics (as required for the First B.Sc. Examination in Engineering); (b) Natural Philosophy (as required for the First B.Sc. Examination in Engineering), in which the records of a Candidate's Laboratory work will be taken into account.

1906. *A. Drummond,* } equal.
W. M'Kenzie, }

¹ For particulars, see under Faculty of Arts.

III.—ENDOWMENTS FOR RESEARCH AND GRANTS IN AID.

I.—THE WILLIAM DICKSON TRAVELLING FUND.¹

II.—EARL OF MORAY ENDOWMENT FOR THE PROMOTION OF ORIGINAL RESEARCH.¹

III.—CARNEGIE POST-GRADUATE SCHOLARSHIPS (£100), FELLOWSHIPS (£150), AND GRANTS IN AID FOR RESEARCH.

Graduates of this University are entitled to become Candidates. Application Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, Hanover Street, Edinburgh, to whom all communications on the subject must be addressed. Nominations for Scholarships, and applications for Fellowships and Grants in Aid, must be lodged with the Secretary not later than 1st April annually.

IV.—THE ELLIS PRIZE FOR PHYSIOLOGY.

This Prize, bequeathed by the late Daniel Ellis, Esq., to the Principal and Faculty of Medicine of the University of Edinburgh, consists of the annual income of about £30, accumulated for three or five years. It is awarded for the best Essay or Treatise on some subject of Animal or Vegetable Physiology proposed by the Faculty for competition to Students or Graduates of not more than five years' standing.

1904. *Alexander Ninian Bruce, B.Sc.*

V.—THE SWINEY LECTURESHIP ON GEOLOGY.

This Lectureship is in the patronage of the Trustees of the British Museum, and is of the annual value of £144. The Trustees may appoint any Graduate in any Faculty of the University who has obtained his degree after examination. The office is tenable for five years, at the expiration of which period the Lecturer is ineligible for the next election. The number of lectures is not to be less than twelve in each year, nor more than three in the same week. The course is required to be annually delivered between the first of November and the end of July following, at such public places in the United Kingdom as the Trustees shall approve. The public are admitted without fee. The Lecturer is required at the termination of each course to deposit a copy, or full extract of such course of lectures, with the Principal Librarian of the British Museum, to whom application may be made for further particulars.

¹ For particulars see under Faculty of Arts.

IV.—SCHOLARSHIPS, BURSARIES, AND PRIZES, OPEN IN 1906-1907.

SCHOLARSHIPS.¹

1. *Royal Commission for Exhibition of 1851 Physical Science Scholarship*, No. XV., page 335. Applications should be made not later than the 1st of March.

2-6. *Vans Dunlop Scholarships*, see General Regulations, No. XXIII., page 203.

2. *The Vans Dunlop Scholarship in Mathematics*, No. XXVIII., page 206. In addition to the ordinary Honours Examination, papers will be set on special subjects. The questions, some of which will be texts for short dissertations, will be set so as to allow the Candidate to specialise his reading in one or other of the following lines:—(a) Higher Algebra (Salmon, i.-xvii.), Higher Parts of Differential and Integral Calculus—for example, Definite Integrals, Fourier's Theorem, Elliptic Integrals, Differential Equations (Forsyth); (b) Theory of Invariants (Salmon, i.-xvii.), Projective Geometry, Higher Plane Curves (Salmon, chapters i.-v.); Geometry of Three Dimensions (Salmon, chapters i.-xiii.). The Professor of Mathematics will give advice regarding a course of reading for the Examination. The Examination will take place at dates to be afterwards announced. Names of Candidates to be entered *on or before* 15th March 1907.

3. *Vans Dunlop Scholarship in Natural Philosophy*, No. XXVII., page 205. The next Examination will take place in April 1907, at dates to be afterwards announced, and will be (in as far as convenient and practicable) combined with the Examination for Honours in the Department of Mathematics. Names of Candidates to be entered *on or before* 15th March 1907.

4. *The Vans Dunlop Scholarship in Natural History, Botany, and Geology*, No. VII., page 333, is open to all Students of the University from the second to the sixth year (inclusive) of their attendance. The several subjects will be co-equal in the Examination, and the Examination in each will be similar to the second B.Sc. Examination. The next Competition will take place in April 1907, at dates to be afterwards announced. Names of Candidates to be given in *on or before* 15th March 1907.

¹ For further information, and for information regarding other Fellowships, Scholarships, Bursaries, and Prizes, see page 331 and following pages, where full information regarding the conditions and values, &c., are given. The values of the Fellowships, Scholarships, Bursaries, and Prizes are subject to variations consequent on the rise and fall of the rate of interest, &c.

5. *The Vans Dunlop Scholarship in Agriculture*, No. V., page 333. The subjects of Examination are Agriculture, Chemistry, Botany, and Veterinary Science. The next Competition will take place in March or April 1907, at dates to be afterwards announced. Names of Candidates to be entered *on or before* 1st March.

6. *The Vans Dunlop Scholarship in Engineering and Mechanical and Useful Arts*, No. VIII., page 334. The Examination is similar to that for the Second B.Sc. for the Degree in Engineering, with the addition of Questions on one or other of the following groups of books at the option of the Candidate:—(1) Maren's "Testing of Materials"; Unwin's "Testing of Materials"; Thurston's "Materials of Construction." (2) Bovey's "Hydraulics"; Moore's "Sanitary Engineering"; Tudsberry's "Waterworks Engineering." (3) Fidler's "Bridge Construction"; Burr's "Stresses in Bridges"; Mills' "Railway Construction." (4) Cotteril's "Steam Engine"; Silvanus Thompson's "Dynamo-Electric Machinery"; Donkin's "Gas, Oil and Air Engines." The Examinations will take place on 3rd April and following days at 9 A.M. Candidates are required to give in their names, with a statement of their University standing, to the Clerk to the Senatus, on or before 15th March 1907, and, at the same time, to state on which of the four foregoing groups of books they elect to be examined.

7. *The Grocers' Company of London* offer Scholarships of £300 a year, with an allowance to meet cost of apparatus and other expenses in connection with the work, tenable for one year, but renewable for a second or third year, subject to the conditions of the scheme under which they are established. Apply to the Clerk of the Grocers' Company, Grocers' Hall, London, E.C., from whom forms of application and all necessary information may be obtained.

8. *Gray Scholarship* of about £91 a year, tenable for two years, will be awarded for distinction in the Final Examination for the Degree of B.Sc. in March 1907.

9. *Misses Baxter of Balgavies Scholarship*, No. XVIII., page 336.

10. *Neil Arnott Scholarship for Experimental Physics*, No. XII., page 335.

11, 12. *Two Hope Prize Scholarships*, No. X., page 334.

13, 14. *Two Trevelyan Scholarships in Engineering*, No. XVI., page 336. Names of Candidates to be entered on or before 15th March.

15. *Steven Scholarship in Agriculture*, No. IX., page 334. Candidates to enter names *on or before* 1st March.

Competitors for Fellowships and Scholarships must have studied the subjects of Examination at the University of Edinburgh. No Fellowship or Scholarship can be held along with any other University Fellowship or Scholarship.

FUNDS FOR RESEARCH.

1. *The William Dickson Travelling Fund*, No. I., page 338. Applications, on special forms to be obtained in the Matriculation Office, must be lodged with the Secretary of Senatus on or before 15th March annually.

2. *The Earl of Moray Endowment for the Promotion of Original Research*, No. II., page 338. Applications will only be considered at the November, January, and May Meetings of Senatus. Applications should be in the hands of the Secretary of Senatus *at least six weeks* before the date of the Meeting at which it is to be considered.

3. *Carnegie Post-Graduate Scholarships and Fellowships and Grants in Aid for Research in Science*, No. III., page 338.

BURSARIES.²

1, 2. *Two Sibbald Bursaries*.¹

3. *Heriot Bursaries*.¹

4. *The Donald Fraser Bursary*.¹

5. *Renton Bursary*.¹

Town Council Bursaries. Apply to the "City Clerk, Council Chambers, Edinburgh," to whom early application should be made.

University Bursaries cannot be held along with any other Bursary.

PRIZES.¹

1. *The Ellis Prize in Physiology*, value about £100, open for competition to Students and to Graduates of not more than five years' standing, may be awarded for the best Essay or Treatise on "Secretion." Essays to be lodged with the Dean of the Faculty of Medicine on or before 30th April 1907.

2, 3. *Two Newton Bursaries or Prizes*.¹

4. *The Kelland Memorial Prize*.¹

5. *The Blackie Celtic Prize*.¹

6. *The Lord Rector's Prize*.¹

7-9. *Gray Prize Fund*.¹

¹ For particulars see under Faculty of Arts.

² See footnote, page 339.

The attention of all Bursars in the Faculty of Science is particularly called to the following regulation :—

Bursars, &c., in the Faculty of Science (to whose Bursaries special conditions are not attached) must annually attend at least two of the Classes necessary for the Degree of Bachelor of Science, and must present themselves at the Examinations necessary for that Degree.

Each Fellow, Scholar, Bursar, or Prizeman, when he applies to the Factor for a payment, must produce a Certificate, signed by the Dean, or the Professor to whose department the Foundation is attached, attesting his regular attendance on the proper Classes, &c., or otherwise that he has fulfilled the conditions attached to the Foundation.

Certificates, in terms of this regulation, will be given to Bursars, by the *Dean of the Faculty of Science*, on 14th November; and at the end of the Session. In applying to the Dean for the Certificate in November, Bursars must present their Class Cards for the Session; and at the end of the Session they must present Certificates from the Professors that they have attended with regularity and made progress in their studies. Payments are made by the University Factor, Sir Henry Cook, W.S., 61 North Castle Street, Edinburgh, on and after 14th November for the Martinmas payments, and on and after 18th May for the Whitsunday payments,—between 10 and 3 o'clock.

N.B.—Bursars, Scholars, and Fellows who desire to resign should at once announce this to the Factor. They must apply to the Factor for the instalments due to them within three months after they have become payable, otherwise they will be regarded as having resigned.

JAMES GEIKIE, D.C.L., LL.D., F.R.S., &c.,
Dean of the Faculty of Science.

Programme of Classes.

FACULTY OF DIVINITY.

1906-1907.

Dean—Professor PATRICK, D.D.

The Class Fees are collected by the Factor. For the purpose of receiving Fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and Fees not then paid will be taken at his office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of the Collector of Class Fees, Edinburgh University.

The Classes are now open to Women Students.

See Appendix, page 164, as to payment of Class Fees by the Carnegie Trust.

The Divinity Hall will be opened on Tuesday, 16th October, at 12 o'clock, when an Introductory Lecture will be delivered by Professor Kennedy. Thereafter the Classes will meet daily as follows (Saturdays excepted), unless otherwise stated. They will meet for the last time before the Christmas vacation on Friday, 21st December 1906; will re-assemble on Tuesday, 8th January 1907, and will be closed on Friday, 15th March 1907.

Classes.	Days of Opening, and Hours of Lectures.	Professors.	Class Fees. ¹
Divinity—Junior Cl...	17 Oct., 10 o'cl.	Prof. Paterson {	£3 3
Senior Cl...	17 Oct., 12 "		3 3
Ecclesiastical History.	17 Oct., 11 "		3 3
Biblical Criticism.....	17 Oct., 10 "	Prof. Taylor....	3 3
Hebrew—Junior Cl....	17 Oct., 1 "	Prof. Patrick ...	3 3
Senior Cl....	17 Oct., 2 "		3 3
Arabic (<i>Mond., Wed., & Frid.</i>).....	17 Oct., 3 "		3 3
Syriac (<i>Tues. & Thurs.</i>).....	18 Oct., 3 "	Prof. Kennedy.	3 3
			2 2

THE SUMMER PREPARATORY CLASSES IN ELEMENTARY HEBREW AND ELEMENTARY ARABIC, conducted by the Class-Assistant under the superintendence of the Professor, open on 1st May, at 10 A.M. and 11 A.M. Fee for Hebrew, £1, 11s. 6d.; and for Arabic, £2, 2s.

GIFFORD LECTURESHIP, for "promoting, advancing, teaching, and diffusing the study of Natural Theology in the widest sense of that term."

Lecturer—*Emeritus* Professor LAURIE, LL.D.

GUNNING LECTURESHIP, Rev. JOHN MORRISON, D.D., Lecturer.

The arrangements for the next Courses will be duly announced.

MARTICULATION, &c. See pages 30-33.

¹ For Second and Third Attendances in Divinity, no reduction. Subsequent attendances free. For Second Attendances on Hebrew, Ecclesiastical History, and Biblical Criticism, no reduction. Subsequent attendances free. Fee in case of Licentiates of Foreign and Colonial Churches, £2, 2s.

CURRICULUM FOR THE MINISTRY IN THE CHURCH OF SCOTLAND.

The Laws of the Church of Scotland require that every Theological Student, who desires to qualify himself for the Ministry, should attend the Class of *Divinity*, either during *three full and regular Sessions*, or during *two regular and three partial Sessions*;—and also that he should regularly attend during two Sessions each of the Classes of *Hebrew*, *Ecclesiastical History*, and *Biblical Criticism*.

Entrance Examinations.

(1) Students, before enrolment *for the first year* of their curriculum with a view to the Ministry in the Church of Scotland, must produce to the Professor of Divinity Certificates of their having satisfactorily undergone an Examination in the subjects embraced in the *Curriculum of Arts*, and also in the Elements of Hebrew Grammar. By Act IX. of General Assembly 1872, it is ordained that this Examination shall be conducted at each of the four Scottish Universities, shortly before the commencement of every Session, by four Examining Committees, consisting of members elected by the adjoining Synods, with Conveners nominated by the General Assembly. *The Convener of the Committee for the University of Edinburgh is the Rev. David Paul, LL.D., Minister of Grange, Edinburgh.* The time of the Committee's meeting and the prescribed subjects of Examination may be ascertained by applying to the Convener.

(2) Students, before enrolment, must produce certificates of their having satisfactorily undergone the Examinations prescribed by their respective Presbyteries. For subjects of Examination prescribed by the *Presbytery of Edinburgh*, see *Appendix to Calendar*.

Discourses.

Every Student of Divinity is required during his curriculum to deliver with approbation *six* discourses upon subjects prescribed by the Professors of Divinity, viz., a Homily, an English Essay on some subject in Biblical Theology, a Lecture, a popular Sermon, a Hebrew Exercise on a passage of the Old

Testament, and an Exercise with additions on a passage of the Greek New Testament.

The following Regulations have been made by the Faculty of Theology in regard to the delivery of these Discourses. (1) Students of the *first* year shall give in their *Homily* to the Professor of Divinity not later than 1st February; (2) Students of the *second* year shall give in their *English Essay* not later than the 16th December, and shall be prepared to deliver their *Lecture* not later than the 10th January; (3) Students of the *third* year shall give in their *Hebrew Exercise* and their *Greek Exercise* with additions, to the Professors of Hebrew and Biblical Criticism, respectively, not later than the 16th December, and shall be prepared to deliver their *Popular Sermon* not later than the 2nd of February.

Attendance at Foreign Universities.

The General Assembly of 1868, with the consent of a majority of Presbyteries, enacted and ordained:—(1) That all Candidates for the ministry shall attend during at least *two sessions* the Theological Classes at one or more of the Universities of Scotland, and shall deliver, with approbation, the Six Trial Discourses required by the Acts of the General Assembly; and (2) That any Student who wishes to prosecute the remainder of his Theological Curriculum at any Protestant University or Universities not within the bounds of this Church, shall, before repairing thither, undergo satisfactory examination by the Presbytery with which he is connected, and shall, moreover, satisfy the same Presbytery in regard both to the Classes which he proposes to attend, and to the proficiency he has acquired in the language used in the Foreign University in which he intends to study.

Courses in the Faculty of Divinity.

I. DIVINITY.

PROFESSOR PATERSON.

The course in Systematic Theology extends over three Sessions. In the Junior Class the subjects of study are Introduction to Theology, Biblical Theology and Apologetics.

In the Senior Class, which is attended by students of the second and third years, courses are given on Dogmatics and Christian Ethics. Homiletics is also studied theoretically and practically.

The work of the class includes two written examinations and an essay.

II. HEBREW AND SEMITIC LANGUAGES.

PROFESSOR KENNEDY.

A.—HEBREW.

Junior Class—1 to 2.

For the first few weeks of the Session this class is conducted in two divisions, an upper and a lower. The latter is intended for students having no previous acquaintance with Hebrew, the former for those who have advanced as far as § 30 of the text-book (Davidson's *Introductory Hebrew Grammar*). The work of the class consists mainly in the study of the Grammar, with home exercises, varied by the reading of easy prose passages from the Old Testament (Genesis and Ruth).

The students' progress is regularly tested by oral and written examinations throughout the Session.

For Preparatory Class of Elementary Hebrew (see page 343).

Senior Class—2 to 3 (*Wednesdays 1 to 2 or 9 to 10*).

Study of Davidson's *Hebrew Syntax*. Hebrew Prose Composition. Reading of unpointed texts.

Reading and Exposition of portions of the Historical, Poetical, and Prophetical Books of the Old Testament. For Session 1906-1907, 2 Samuel v.-xxi; Zechariah; Psalms, Book v. (R. Kittel's *Biblia Hebraica* recommended).

A Course of Lectures, extending over two Sessions, on Old Testament Introduction (including History of the Canon, Text and Versions) is given on Wednesdays to both Classes at 1 P.M. (or 9 A.M. if more convenient for students).

Oral and Written Examinations.

The Senior Hebrew Class will be the Graduating Class in Hebrew for the Ordinary Degree of Master of Arts; and any

student who desires to attend this Class with a view to Graduation in Arts must previously pass an examination, in accordance with Sect. IV. Sub-sect. 3 of the Regulations.

The examination will include plain passages for translation from and into Hebrew, and grammatical questions.

Those who propose, in a subsequent Session, to take up Hebrew as one of their Graduation Subjects, will have an opportunity of attending the Junior Class in that language during the Session 1906-1907.

B.—ARABIC—3 to 4.

The course of instruction in Arabic extends over one Summer and two Winter Sessions.

(1) A Preparatory Class for elementary Arabic is conducted during the Summer Session by the Class-Assistant, under the superintendence of the Professor. *Intending students of Arabic are strongly advised to take this Class.* Text-books: Socin's *Arabic Grammar* (New Edition, 1895) and Jacob's *Bible Chrestomathy*. The fee is £2, 2s.

(2) A Junior Class in continuation of the above, meeting three days a week in *alternate* sessions (next in 1906-1907). Text-books: Socin's *Grammar*, Bruennow's *Chrestomathy of Arabic Prose Pieces*, Nallino's *Chrestomathia Qorani Arabica*. Elementary Arabic Composition. The fee is £3, 3s.

(3) A Senior Class, meeting ordinarily three days a week in *alternate* sessions (next in 1907-1908), for more advanced reading in prose and poetry, and for the study of Arabic syntax and composition. Text-books (besides those already mentioned): The Koran (Fluegel's edition), *Kalilah wa-Dimnah* (Beyrout edition), Noeldeke and Mueller's *Delectus Veterum Carminum Arabicorum* (1890), Wright's *Arabic Grammar* (3rd edit., 1896). The fee is £3, 3s.

This course has been sanctioned by the University Court as a half-course qualifying for graduation in Arts, and the class will be held in two successive sessions, if required, to meet the needs of intending graduates. For text-books see under *Graduation in Arts*.

C.—SYRIAC—3 to 4.

The course of instruction in Syriac extends over two Winter Sessions.

(1) A Junior Class, meeting on two days a week in *alternate* sessions (next in 1906-1907), for the study of the grammar and the reading of portions of the Syriac gospels. Text-books: Noeldeke's *Syriac Grammar*, Syriac New Testament.

(2) A Senior Class, meeting on two days a week in *alternate* sessions (next in 1907-1908), for the study of syntax and composition and for more advanced reading in prose and poetry, such as the extracts from Bar-Hebræus and Ephrem Syrus in Roediger's *Chrestomathy* (3rd edit.) and the *Syriac Old Testament*.

The above order may be modified to suit intending students. The fee for each of these classes is £2, 2s.

III. ECCLESIASTICAL HISTORY.

PROFESSOR TAYLOR.

1. *Lectures*—Mondays and Tuesdays.—On The Beginnings of Christianity.

2. *Lectures*—Wednesdays and Thursdays.—On the Ecclesiastical History of Scotland from 1572.

3. *Text-book*—Fridays.—Kurtz's "History of the Christian Church." First Division ; First Section.

The work of the class includes three written examinations.

IV. BIBLICAL CRITICISM AND BIBLICAL ANTIQUITIES.

PROFESSOR PATRICK.

The course of study next Session will include : (1) Textual Criticism of the New Testament. (2) Introduction to the Pauline Epistles and Hebrews. (3) Reading of the Greek New Testament with Exegesis. (4) The History of the Canon of the New Testament.

There will be written and oral examinations, in which all regular students are required to take part.

LECTURESHIPS.

I. GIFFORD LECTURES ON NATURAL THEOLOGY.

Lecturer—Emeritus Professor LAURIE, LL.D.

These Lectures were endowed by the late Adam Gifford, Senator of the College of Justice, “for promoting, advancing, teaching, and diffusing the study of Natural Theology in the widest sense of that term.”

According to the Trust Deed, “the lecturers appointed shall be subjected to no test of any kind, and shall not be required to take any oath, or to emit or subscribe any declaration of belief, or to make any promise of any kind; they may be of any denomination whatever, or of no denomination at all; they may be of any religion or way of thinking, or, as is sometimes said, they may be of no religion; or they may be so-called sceptics or agnostics or free-thinkers;—provided only that the ‘patrons’ will use diligence to secure that they be able reverent men, true thinkers, sincere lovers of and earnest inquirers after truth. I wish the lecturers to treat their subjects as a strictly natural science, the greatest of all possible sciences, indeed, in one sense, the only science,—that of Infinite Being, without reference to or reliance upon any supposed special exceptional or so-called miraculous revelation. The lecturers shall be under no restraint whatever in their treatment of their theme. The lectures shall be public and popular, that is, open not only to students of the Universities, but to the whole community, without matriculation.”

II. THE GUNNING VICTORIA JUBILEE
LECTURESHIP.

Lecturer—Rev. JOHN MORRISON, D.D.

With a view to promote the study of Natural Science among candidates for the ministry, and to bring out among ministers the fruits of study in Science, Philosophy, Language, Antiquity, and Sociology, Dr R. H. Gunning, of Edinburgh and Rio de Janeiro, has founded a Lectureship in the Faculty of Divinity of the University of Edinburgh, to be known as “The Gunning Victoria Jubilee Lectureship.”

The Gunning Lectureship is a triennial appointment of the value of £100, and the appointment shall be made by the Faculty of Divinity. The lecturer may be any Scottish Presbyterian clergyman at home, or in the Mission field, eminent in Science, Philosophy, Language, Antiquity, or Sociology, and the lectures may be delivered in the University of Edinburgh, or such other place as the Faculty may appoint.

See Revised Scheme, p. 519 of CALENDAR 1889-90.

Graduation in Divinity.

REGULATIONS FOR GRADUATION IN DIVINITY.

(Candidates who began the study of Divinity with a view to Graduation before 1st October 1896 are referred to the CALENDAR for 1896-97 and to previous CALENDARS.)

I. No one is admitted to examination as a Candidate for the Degree of Bachelor of Divinity (B.D.) unless he be (1) a Graduate in Arts of the University, and have taken a complete Theological Course in a Scottish University or Universities, or in an institution or institutions specially recognised for the purpose by the University Court, or partly in a Scottish University or Universities and partly in such institution or institutions; or (2) a Graduate in Arts of any Scottish University or other University specially recognised as aforesaid, and has completed his Theological Course, of which not less than two years' attendance has been given in this University.¹

II. The Examiners are the Professors of the subjects included in the examinations, and two additional Examiners appointed by the University Court. The mode of conducting the examination is fixed from time to time by the Senatus Academicus.

By a Supplementary Ordinance it is provided that, notwithstanding the provisions of Section I. hereof, the Senatus Academicus may, under this Section, admit candidates to examination in not more than three of the subjects, after the completion of the second session of attendance on their Theological Course.

III. The subjects of examination are arranged in two departments:—The First Department embracing—(1) Hebrew, and (2) Apologetic Theology, or the Evidences of Natural and Revealed Religion; and the Second Department embracing—(1) Ecclesiastical History, (2) Systematic Theology, and (3) Biblical Criticism and Biblical Antiquities.

IV. Every Student who at the time when these Regulations came into operation had completed a part of his Theological Course with a view to Graduation as B.D., under Regulations hitherto in force, and

¹ Recognised—University of New Zealand Arts Degree, Manchester College, Oxford—Attendance on Theological Courses.

shall thereafter complete his course of study in conformity with such Regulations, may become a Candidate for the Degree of B.D. without complying with the provisions of these Regulations.

V. The Degree of B.D. is in no case conferred on persons who have not complied with the conditions hereinbefore set forth, and is not conferred *honoris causâ tantum*.

Candidates are required to communicate their names, together with evidence of their being qualified in terms of the above Regulations, to the Dean of the Faculty of Divinity, at least one week before the first day of the Examination.

The subjects of examination for 1906-1907 are as follows :—

DEPARTMENT I.

A.—*For October 1906.*

I. *Hebrew*—

- (1) Questions in Grammar.
- (2) Translation into Hebrew Prose.
- (3) O. T. Introduction—The Pentateuch, Psalms and Isaiah, with the history of the Old Testament Canon.
- (4) Isaiah xl.-liii.
- (5) Psalms, Book iii. and iv.
- (6) Deuteronomy i.-xviii. (the unpointed text).

B.—*For March and October 1907.*

- (1 and 2) As above.
- (3) O. T. Introduction—The Historical Books, Minor Prophets, and the Greek and Latin Versions.
- (4) Zechariah.
- (5) Psalms, Book v.
- (6) 2 Samuel v.-xxi. (one passage unpointed).

II. *Apologetic Theology*—

For October 1906 and March 1907.

- (1) Materialism and Pantheism.
- (2) Ethnic Religions and their relation to Christianity.
- (3) The Nature and Truth of Christianity.

DEPARTMENT II.

For October 1906 and March 1907.

I. *Ecclesiastical History*—

- (1) The Main Facts in the Development of the Constitution, Doctrine, and Worship of the Church from 100 to 451 A.D. (2) The History of the Church in Scotland during the 17th Century.

II. *Systematic Theology*—

- (1) The History of Dogmatic Theology in Germany in the 19th century.

- (2) The Doctrines of the Trinity and of the Person and Work of Christ.
- (3) Texts :—Anselm, *Cur Deus Homo?* Grotius, *De Satisfactione Christi*.

III. *Biblical Criticism and Biblical Antiquities*—

- (1) Textual Criticism of the New Testament (including knowledge of the Manuscripts, Versions, and Critical Editions).
- (2) History of the Canon of the New Testament to the middle of the 3rd century.
- (3) Introduction to (1) the Pauline Epistles, and (2) The Fourth Gospel.
- (4) Greek New Testament. 2nd Epistle to the Corinthians, Ephesians, and Hebrews (with Introduction and Exegesis).

FEEES.

Fee for Degree of B.D.,	.	.	.	£5	5
<i>When the Examination is taken at two periods—</i>					
The Fee for the First is	.	.	.	3	3
For the Second,	.	.	.	2	2

Any Candidate who fails to pass pays a fee of 10s. 6d. for re-examination in each subject.

All Candidates for Examination or for Graduation, must be Matriculated Students of the year in which they appear for Examination or for Graduation.

TIME-TABLE AND DATES OF ENTERING FOR EXAMINATIONS, 1906-1907.¹

Candidates are required to enter for each periodical Examination at which they desire to appear, and to state the subject or subjects in which they desire to be examined.

1906.

Oct.	2.	Tu.	Names to be entered and fees paid <i>on or before</i> this date. ¹
„	9.	Tu.	Hebrew, 10 a.m. ; Apologetics, 2 p.m.
„	10.	Wed.	Ecclesiastical History, 10 a.m. ; Divinity, 2 p.m.
„	11.	Th.	Biblical Criticism, 10 a.m.

1907.

Mar.	19.	Tu.	Names to be entered and fees paid <i>on or before</i> this date. ¹
„	26.	Tu.	Hebrew, 10 a.m. ; Apologetics, 2 p.m.
„	27.	Wed.	Ecclesiastical History, 10 a.m. ; Divinity, 2 p.m.
„	28.	Th.	Biblical Criticism, 10 a.m.

¹ When names are not entered, and fees paid, on or before the stated dates, an additional or late-entry fee of ten shillings must be paid before the Candidate can be admitted to examination. A Candidate is not held to be entered for the Examination until his name is entered, the fee paid, and all the necessary certificates, &c., lodged.

Every Candidate for Examination or for Graduation must matriculate for the Academic year in which he appears for examination or for Graduation, and pay the Fee of £1 for Registration as a Member of the General Council (if not already a Member) *at least one clear day before the date of Graduation.*

The fees for Matriculation, for Examinations for Degrees, and for Registration of Graduates as Members of the General Council are payable at the Matriculation Office, University. When Candidates cannot attend personally to pay the fees, they should transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed "*Union Bank of Scotland (Hunter Square Branch), Edinburgh,*" but not by cheques on private accounts.

THE DEGREE OF BACHELOR OF DIVINITY.

21st October 1905.

George Laing Brander, M.A.		James Waterston, M.A.
----------------------------	--	-----------------------

12th April 1906.

Alexander Barclay, M.A.		Neil Meldrum, M.A.
John Richard Mackenzie Forbes, M.A.		John Pryde Murdoch M.A.
Duncan MacLaren, M.A.		Gerrit Johannes du Plessis, B.A.

DEGREE OF DOCTOR OF DIVINITY (D.D.).¹

The Degree of Doctor of Divinity is conferred *honoris causâ tantum*,—and is granted in absence in special cases only. The Register of Doctors of Divinity begins in 1709, with the names of Edmund Calamy, Daniel Williams, and Joshua Oldfield. The names of Evans, Harris, and Isaac Watts follow in 1728. The Register now includes above 300 names.

The following is a list of those who have received the Degree of Doctor of Divinity in the years 1889-1906 inclusively² :—

1889.		1891.
*Griffith John.		Richard Glover.
*Professor Abraham Kuenen.		Robert Hutton, M.A.
Archibald Henry Sayce, M.A.		*John Gibson Paton.
Norman M. L. Walker.		D. W. Simon, M.A., Ph.D.
1890.		1892.
David Douglas Bannerman.		William Balfour.
R. H. Lundie, M.A.		Cornelius Giffen.
Canon J. H. Overton.		Newham Hall.

¹ Those to whom the Degree has been offered, if unable to be present at the Graduation Ceremonial immediately ensuing, may present themselves at any subsequent ceremonial, on giving at least a week's notice.

² The names of those who received the Degree, prior to 1859, will be found in the "Catalogue of the Graduates in the Faculties of Arts, Divinity, and Law of the University, since its foundation," published in 1858, and the names of those who received the Degree from 1859 to 1888, both years included, will be found in the List of Graduates, published in 1889.

* Conferred *in absentia*.

1893.

Thomas Nicol, B.D.
 Thomas B. W. Niven.
 George Adam Smith.
 James Wells, M.A.

1894.

William Hastie, M.A., B.D.
 J. A. M'Clymont, M.A., B.D.
 J. C. M'Phail.
 William Muirhead.

1895.

Robert G. Balfour.
 *Alexander Marshall, M.A.
 Charles Moinet, M.A.
 John Patrick, M.A., B.D.
 J. Guinness Rogers, B.A.
 *David Sidey.

1896.

Charles Gore, M.A.
 William Miller, C.I.E., LL.D.
 David Clement Scott, M.A., B.D.
 Alexander Williamson.

1897.

H. M. Gwatkin, M.A.
 J. B. Hastings, M.A.
 W. P. Paterson, M.A., B.D.
 R. J. Sandeman.

1898.

George Macalister, M.A.
 M. Henri Bois.
 Alexander Martin, M.A.
 Peter Thomson, M.A., B.D.

1899.

J. Edgar Hill, M.A., B.D.
 Malcolm MacColl, M.A.
 David Somerville, M.A.

1900.

*William Bannerman.
 Charles Martin Grant, M.A., B.D.

1901.

J. Richardson Illingworth, M.A.
 John Keith, M.A., B.D.
 John Methven Robertson, M.A.
 David Morrison Ross, M.A.

1902.

James King Hewison, M.A.
 Peter Hay Hunter.
 James Jeffrey, M.A.
 Edward Sell, B.D.
 Andrew Harper, B.D.

1903.

John Shaw Banks.
 Alexander Kennedy, M.A.
 James Kennedy, M.A., B.D.
 W. St Clair-Tisdall, M.A.

1904.

Andrew Hutton Drysdale, M.A.
 John Forbes Watson Grant, M.A.
 John Anderson Graham, M.A.
 Robert Dykes Shaw, M.A., B.D.

1905.

James A. Kerr Bain, M.A.
 Robert Howie Fisher, M.A., B.D.
 Alexander Lawson, M.A., B.D.
 Professor Giovanni Luzzi, D.D.,
 Florence.

12th April 1906.

Rev. Archibald Fleming, M.A., St Columba's London.
 Rev. George Clark Hutton, D.D., Canal Street United Free Church,
 Paisley.
 Rev. John Chisholm Lambert, M.A., B.D., Minister-Emeritus, Cath-
 cart United Free Church.
 Very Rev. James Cameron Lees, D.D., LL.D., St Giles', Edinburgh.
 Professor William Mitchell Ramsay, D.C.L., LL.D., Litt.D., Uni-
 versity of Aberdeen.
 Rev. Robert Walter Weir, M.A. Minister-Emeritus, Greyfriars,
 Dumfries.

* Conferred *in absentia*.

Bursaries, Scholarships, Fellowships, &c.

I.—BURSARIES.

See Note under Bursaries, page 180.

A.—PRESENTATION BURSARIES.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	1703	Agnes Nairne.	1	1	..	Senatus Academicus.
II.	1715 1764	Sir James M'Lurg of Vogrie, sometime Dean of Guild of Edinburgh; and Rev. John Penman, Minister of Bothkennar.	1	4	£19 15 0	Capt. R. G. G. Gilmour of Craigmillar, 1st and 3rd Presentations. The Dean of Guild of Edinburgh, 2nd Presentation. Heirs of William Brown, surgeon, 4th Presentation.
III.	1766	Rev. Robert Alexander, Minister of Girvan.	1	4	About 19 0 0	Kirk-Session of Girvan and Presbytery of Ayr.
IV.	1838	Robert Blair, D.D., Barton St Andrews, Norfolk	1	4	16 0 0	Governors of George Heriot's Trust.
V.	1838	Do. Do.	1	4	About 23 0 0	The Principal, and Profs. of Hebrew, Divinity, Church History.
VI.	1902	M'Kissock Bursary.	1	4	Int. of £750	M'Kissock Trustees.

I. In abeyance at present.

II. The *M'Lurg and Penman Bursary* is tenable for four years at the Theological Classes. No person shall be presented to the Bursary who is not a Master of Arts of a Scottish University.

III. This Bursary consists of the interest of £420, lent on heritable security, and of £75, 17s. of accumulated interest. It must be held by a Student from the parish of Girvan, presented by the Session; whom failing, by one within the Presbytery of Ayr, to be appointed by the Presbytery.

IV. The *Blair Bursary* can be held only by a young man who has been educated in George Heriot's Hospital School, and has become a Student of Divinity in the University of Edinburgh.

V. To be applied for the benefit of a Student of Divinity, whether a graduate or not.

VI. *M'Kissock Bursary*, consisting of the interest of £750, and tenable for four years, is given for assisting Candidates in preparing for the office of a Christian Missionary to the Jews, and is tenable at any College, University, or

Theological Seminary adapted to such preparation. Further information may be obtained from Messrs Lamb & Co., Solicitors, Nairn.

B.—COMPETITION BURSARIES.¹

See Note under Bursaries, page 180.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	1646	Buchanan of that Ilk.	1	3	£23 9 0	Town Council.
II.	1666	William Struthers &	1	3	22 17 5	Do.
III.	1685	Archbishop Leighton.	1	3	19 7 4	Do.
	1687	Andrew Ramsay and Sir Andw. Ramsay of Abbotshall.	1	3		
IV.	1695	King William III.	2	2	30 0 0	Senatus Academicus.
V.	1867	Miss Mary Ettles of Inverness.	3	3	About 38 9 0	Senatus.
VI.	1873	Grierson of Ogscastle's Trustees.	3	1	26 13 4	Senatus.
VII.	1878	Mrs Isabella Webster.	2	3	51 17 0	} Senatus.
VIII.	1878	Dr Andrew Thomson	1	3	34 11 0	
IX.	1879	Mrs Barbara Mylne	4	3	25 0 0	Trus. of Dr Thomson.
			1	3	30 0 0	Moderator, Procurator, and Principal Clerk of General Assembly.
X.	1838	J. Stewart Hepburn of Colquhalzie, Esq.	1	3	13 2 6	Committee of the Presbytery of Edin.
XI.	1858	Do. Do.	1	3	13 2 6	Do.
XII.	1864	Do. Do.	1	3	13 2 6	Do.
XIII.	1882	William Renton.	1	3	22 14 8	Profs. of Theology.
					About	
XIV.	1884	Robert Hunter.	2	2	25 2 6	Principal and Profs.
XV.	1889	James Simson, Edinburgh.	7	3	25 0 0	Presbytery of Edinburgh.
					About	
XVI.	1892	Thomas Lockerby, London.	1	3	28 15 4	Senatus.
XVII.	1856	John Sharp, Esq., Perth.	1	4	18 0 0	The Presbytery of Perth.
XVIII.	1900	Miss Janet M. Brown.	3	3	10 17 2	Senatus.

I. The Buchanan Bursary is open for competition to all Masters of Arts of any of the Universities of Scotland, or to Students who have passed the necessary Examinations for the Degree of M.A., but have deferred their Graduation with a view to Honours, and who are entering on their first or second Session in the Faculty of Divinity in the University of Edinburgh. No person is admissible to competition who has for more than one Session been a Student in the Faculty of Divinity in any of the Scottish Universities. The Bursar holds the Bursary for three years, subject to this condition, that he shall, during that period, give regular attendance,

¹ The values of these Bursaries are subject to deduction of the fees paid to the Examiners.

as a Student of Theology, in the University. If it appears to the Senatus Academicus desirable, for the purpose of distributing the benefits of competitive Bursaries in Theology among Students of different years, it is lawful, for that purpose only, to appoint a Student for a shorter period. No person can hold the Bursary along with any other Bursary, Fellowship, or Scholarship in any Scottish University. *Bursar—1903, John MacLagan, M.A.*

II. The Struthers and Leighton Bursary is open by competition to all Students who are Masters of Arts, or who have passed all the examinations necessary for admitting them to the degree of Master of Arts, and who are entering on their first session of attendance in the Faculty of Divinity in the said University. *Bursar—1904, C. P. Grant, M.A.*

III. By Ordinance, No. 81, of the Univ. Com., and subsequent Order in Council, the regulations for this Bursary are the same as those for the Buchanan Bursary. *Bursar—1902, John A. Alexander, M.A.*

IV. By Ordinance, No. 76, of the Universities' Commissioners, and subsequent Order in Council, each King William Bursary is open to competition to all Masters of Arts of any of the Universities of Scotland, or Students who have passed the necessary examinations for the Degree of M.A., and who have attended for one Session, and no more, in the Faculty of Divinity in the University of Edinburgh: Provided that no person shall be a competitor who has attended for one or more Sessions in the Faculty of Divinity in any other of the Scottish Universities. The examinations in the competition shall be conducted by the Professors in the Faculty of Divinity in the University. Each Bursar shall hold his Bursary for two years, subject to the condition that he shall, during that period, give regular attendance as a Student of Theology in the University. No person shall hold either of the Bursaries along with any other Bursary, Fellowship, or Scholarship of any Scottish University. When the two Bursaries fall vacant at one time, one Bursar shall be appointed for two years, and the other for one year. *Bursars—1905, Andrew Downie, M.A.*

V. Founded in memory of her brother, J. Ettles, Esq., of Havannah. Open to those who have passed all the examinations for M.A., and are in the first year of their theological course. Cannot be held with any other Bursaries or Scholarships. See Deed of Foundation in CALENDAR for 1867-68. *Bursars—1903, Neil Meldrum, M.A.; 1904, G. E. Dodd, M.A.; 1905, W. R. Grant, M.A.*

VI. *The Grierson Bursaries*, one for first, one for second, and one for third year's Students in Divinity. A Student from the parish of Crawford or the parish of Leadhills is, if he has been a good Student in Arts, and is in need of pecuniary aid, appointed to a Bursary in his first year in Divinity, and holds it (unless he has failed to show himself a diligent Student) to the end of his curriculum. If there be two or more such applicants in any year, they are to be examined. Failing any Student from one of those favoured parishes, the Bursary or Bursaries will be thrown open to competition, but the winner only holds his Bursary for one year. In the second year a Student from Crawford or Leadhills has again a preference, but holds the Bursary for one year only. Preferential Candidates to lodge their applications with the *Clerk of Senatus* on or before September 1906. See p. 372 of CALENDAR, 1877-78. *Bursars—Second Year, K. M.*

Berry; 1904, 1st, *A. Downie, M.A.*; 2nd, *G. J. du Plessis, B.A.*; 1905, *G. J. du Plessis, B.A.*

VII. Founded by Mrs Isabella Webster, 38 Heriot Row, Edinburgh, in memory of her husband, George Webster, Esq. There are three Bursaries,—two of about £47 each, and one of £31, 10s., open to Students of Divinity in connection with the Church of Scotland in their first year, who have successfully passed all their Examinations for the degree of M.A. in any Scottish University, whether they have actually graduated or not. Each is tenable for three years. See Deed of Foundation in CALENDAR for 1878-79, p. 377. *Bursars*—1902, *J. M. B. Duncan, M.A.*; 1903, 1st, *Alexander Barclay*; 2nd, *J. R. M. Forbes, M.A.*, for two years; 1904, *R. F. Monteith, M.A.*; 1905, *C. J. Donaldson, M.A.*

VIII. Students of the name of Thomson or Traquair, or who are natives of the town or county of Dumfries, or of the city of Edinburgh have a preference. The Candidates must be matriculated Students (not necessarily Graduates) entering on their first Session in Divinity, and are required to intimate their intention to compete to the Agents for the Trustees, Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh, one week before the date of Examination. If no Candidate with a preferential claim appear, or if none such attain to the required standard in the Examination, the Bursary will be awarded to the best non-preferential Candidate attaining such standard. The subjects of Examination are Latin (100 marks), Mathematics (50 marks), Moral Philosophy (50 marks), Elementary Hebrew (100 marks), Apologetics (100 marks), and Greek Testament (100 marks). See p. 374 of CALENDAR for 1880-81. *Bursars*—1901, *John M'Murtrie, M.A.*; 1903, *J. M. W. Williamson*.

IX. *Mylne Bursary*.—Founded by Mrs Barbara Macaulay or Mylne, in memory of her husband, the Rev. Andrew Mylne, minister of the parish of Dollar. The Bursary (being the free proceeds of £750) which is for behoof of Students for the ministry of the Church of Scotland, of Scottish birth, tenable during the curriculum in Divinity, is awarded at the end of the session, after examination (of first year's students) on the subjects taught in the Theological Classes during the session. No one may become a Candidate who has not given his whole time to study during the session preceding the date of Examination, nor may the holder engage in paid work during any session in which he holds the Bursary. It cannot be held along with any other Bursary, Scholarship, or Endowment. See Deed of Foundation at page 377 of CALENDAR for 1880-81. *Bursar*—1905, *John Kellie, M.A.*

X., XI., and XII. The sums attached to these Bursaries are payable to Divinity Students of the Church of Scotland of the first or second year towards the expense of their education at the University of Edinburgh. Each is tenable for three years. For one bursary Gaelic-speaking Students have a preference. For particulars, apply to Rev. G. T. Jamieson, Clerk to Presbytery of Edinburgh, The Manse, Portobello, before 1st October.

XIII. Founded by the late William Renton, of 20 Royal Terrace, Edinburgh. The Faculty of Theology are the Patrons and Trustees. The Bursary may be held for three years, if the Bursar continues so long to prosecute his studies in Theology at the University of Edinburgh, with a view to the ministry in the Church of Scotland, and if not, then for the whole period he continues at the same. The student presented must have attained the age of sixteen, and not exceed the age of

twenty-one years, and must be appointed after an examination in the month of November on such subjects as the Professors of the Faculty of Theology consider proper. *Bursar*—

XIV. Founded by the late Robert Hunter, Dalhousie, Chesters; the Principal and Professors being Patrons. These Bursaries are for the benefit of Students of the Church of Scotland, and are awarded at close of first Session in Divinity, and are tenable for two years. Bursars must attend two Sessions in Chemistry and Geology, taking at least one of these Classes each Session. Students of the name of Hunter and Hamilton from the parishes of Temple or Cockpen have a preference, but preferential Candidates must attain to a fixed percentage. Bursars must produce certificates of diligence in the Classes of Chemistry and Geology. See excerpt from Deed of Foundation, page 437 of CALENDAR for 1885-86.

XV. These Bursaries are open to Students who are entering on their first Session in Divinity, and are tenable for three years. For further details and subjects of examination (which differ somewhat from the University Examination for first year's Bursaries), apply to the Rev. G. T. Jamieson, Clerk to the Presbytery of Edinburgh, The Manse, Portobello, before 1st October.

XVI. Founded by the late Thomas Lockerby, Esq., London. The Bursary is tenable for three years, and is open to "Students who desire to become ministers of the Church of Scotland only." See Excerpt from Disposition, page 545 of CALENDAR for 1890-91. *Bursar*—1905, *J. F. Alexander, M.A.*

XVII. *Sharp Bursary*.—This Bursary is of the annual value of £18, tenable for four years. The Bursar must be a Student of Divinity of the Church of Scotland, and may prosecute his studies at any one of the Scottish Universities. Preference to any student being a native of or subject to the jurisdiction of the Presbytery of Perth. Apply to the Clerk to the Presbytery of Perth.

XVIII. *Three Misses Brown, of Spring Gardens, Bursaries*, each of the annual value of £10, tenable for one year. One Bursary will be awarded to a student of the first year, one to a student of the second year, and one to a student of the third year.

C.—PRESENTATION BURSARIES, open only to Graduates or Students who have passed the necessary Examinations for the Degree of M.A., but have deferred their Graduation with a view to Honours.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	1695	Robert Bayne of Pitcairley.	1	3	£25 0 0	Society for Benefit of Sons of the Clergy.
II.	1695	James Nairne.	1	3	16 13 4	Prof. of Divinity.

I. By Ordinance, No. 71, of the Universities' Commissioners, and subsequent Order in Council, the following are the regulations as to this Bursary:—Each Bursar shall hold the Bursary for three years, subject to the condition that he shall, during that period, give regular attendance as a Student in Theology in the

University of Edinburgh. No person shall hold the Bursary along with any other Bursary, or with any Scholarship in the University.

II. This Bursary is tenable for three years, or for such period as the Bursar shall give regular attendance as a Student of Theology in the University of Edinburgh. *See* Ordinance, No. 67, of the Universities' Commissioners, and subsequent Order in Council. *Bursar—D. J. Tweedie, M.A.*

D.—BURSARIES gained in Faculty of Arts, the holders of which are at liberty to study in the Faculty of Divinity.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	1809	Dr Donald Grant, London.	4	4	£45 0 0 About	Dr Grant's Trustees.
II.	1846	John Jamieson, Edinburgh.	1	4	26 0 0 About	Principal and two Professors.
III.	1871	The Sibbald Trustees.	5	3	30 0 0	The Trustees of Dr J. R. Sibbald.
V.	1880	Daniel Maclaurin, London.	1	4	76 10 0	Town Council.

I. *See* under Faculty of Arts.

II. *See* under Faculty of Arts.

III. *See* under Bursaries in Arts.

IV. *See* under Faculty of Arts.

II.—PRIZES.

See Note under Bursaries, page 180.

I.—BARTY MEMORIAL PRIZE.

The Barty Memorial Prize of £20 for scholarship in Hebrew and Hellenistic Greek is open to entrants to the Divinity Halls of the four Scottish Universities. For further information apply to J. W. Barty, Solicitor, Dunblane.

II.—HEPBURN PRIZE.

The Hepburn Prize of £25 (which may be divided), open to all Students in actual attendance at the Divinity Hall, may be awarded annually for an essay on a prescribed subject.

III.-XII. THE GUNNING VICTORIA JUBILEE PRIZES.

With a view to promote the study of Natural Science among candidates for the ministry, and to bring out among ministers the fruits of study in Science, Philosophy, Language, Antiquity, and Sociology, Dr R. H. Gunning, of Edinburgh and Rio de Janeiro, has founded ten prizes in the Faculty of Divinity of the University of Edinburgh, to be known as "The Gunning Victoria Jubilee Prizes."

These prizes are ten in number, and comprise a series of five prizes of £50, £40, £30, £20, and £10, for excellence in Theological subjects, and a series of five prizes of similar values for excellence in Natural Science subjects. In their order the prizes in each series correspond

in value. A minimum standard of proficiency will be required in each series. The successful competitors may each take both the prize in the Theological, and the prize in the Natural Science series to which their marks may respectively entitle them.

The prizes are competed for triennially at the close of the Divinity Session, and are open to all Students of the Church of Scotland, or other Scottish Churches holding the Confession of Faith, who are graduates of this University, or have attended two classes in the Faculty of Divinity in this University, and who have completed their Theological curriculum within two years of the close of the Session when the competition takes place.

Candidates must enter both for the Theological and Science subjects, and a minimum of proficiency is required in each.

The examination in the Natural Science series will be on Natural History, Botany, and Geology, and of the same standard as the First B.Sc. Examination in Pure Science. The examination in the Theological series will be in Theology proper, the Language and Literature of the Old Testament, Ecclesiastical History, and Biblical Criticism.

The Examiners are the Professors of the subjects of examination in the University of Edinburgh; with the addition of a member of the Senatus of the New College, to be appointed by the Faculty of Divinity. See Revised Scheme, p. 519 of CALENDAR 1889-90.

The next examination under this scheme will be held at the close of Session 1908-1909.

1905. *Theological Series*—1st Prize, *J. Bryce Jamieson, B.D.*
 2nd „ *James Waterston, M.A.*
 3rd „ *Not awarded.*
 4th „ *J. H. Cattanach, M.A.*
 5th „ *Not awarded.*

Natural Science Series—1st Prize, *James Waterston, M.A.*
 2nd „ *J. Bryce Jamieson, B.D.*
 3rd „ *Not awarded.*
 4th „ *J. H. Cattanach, M.A.*
 5th „ *Not awarded.*

III.—SCHOLARSHIPS.¹

See Note under Bursaries, page 180.

I.—PITT CLUB DIVINITY SCHOLARSHIP.

This Scholarship was instituted in 1862 by the Pitt Club, is of the

¹ It has been agreed by the Senatus and the Faculty of Divinity, in regard to the Fellowships and Scholarships of the funds of which they are severally the administrators, that

1. The *Pitt Theological Scholarship* shall be competed for when it falls vacant.
2. The *Aitken Theological Scholarship* shall be reserved from competition when it falls vacant in the same year with the Pitt.
3. The *Glover Divinity Scholarship* shall (according to its conditions) not be open to competition when the Pitt or Maxton may be open.
4. That meanwhile the *Maxton* be competed for when it is vacant.

annual value of about £110 (under deduction of Examiners' fees), and tenable for three years. By Ordinance, No. 77, of the Universities' Commissioners, this Scholarship is open to competition to all Masters of Arts of any of the Universities of Scotland who have given regular attendance in the Faculty of Divinity in the University of Edinburgh for three complete Sessions, and who are in the course of studying, with the view of becoming Clergymen of the Church of Scotland. No person is admissible who has been entered as a Student of Divinity more than six years prior to the time of the competition.

Candidates are examined on (1) The Evidences of Revealed Religion; (2) Systematic Theology; (3) Hebrew; (4) Church History; (5) Biblical Criticism. It cannot be held with any other Scholarship, Fellowship, or Bursary of any Scottish University, or along with any parochial or pastoral charge, whether as minister or assistant.

1905. *Charles Goodall, B.D.*

II.—MAXTON DIVINITY SCHOLARSHIP.

This Scholarship was founded by the Trustees of the late John Maxton, Esq., in 1867, is of the annual value of about £42 (under deduction of Examiners' fees), and is tenable for three years. It is open only to Students who are members of the Established Church of Scotland, and who have completed the course of study in the Faculty of Divinity in the University of Edinburgh. *See* Deed of Foundation, at p. 234 of *CALENDAR* for 1867-68.

1905. *J. G. Berry, B.D.*

III.—THE GLOVER DIVINITY SCHOLARSHIP.

This Scholarship was founded in 1875 by Subscribers to a Fund for commemorating the memory of the Rev. W. Glover, D.D., and by the University Endowment Association. It is of the annual value of about £41 (under deduction of Examiners' fees), tenable for three years, and open to all Masters of Arts of any of the Universities of Scotland who have finished their study of Theology, before entering the Church of Scotland, within six years, and who have attended the last Session of their course at least in the University of Edinburgh. It cannot be held with any other Divinity Scholarship or Bursary in any Scottish University, and it is not offered for competition in any year where there is a vacancy in the Pitt Divinity Scholarship or the Maxton Divinity Scholarship. *See* Deed of Foundation, at p. 343 of *CALENDAR* for 1875-76.

1906. *Neil Meldrum, M.A., B.D.*

IV.—THE AITKEN THEOLOGICAL SCHOLARSHIP.

This Scholarship, founded in 1875 by bequest of the Rev. David Aitken, D.D., formerly minister of Minto, is of the annual value of about £125 (under deduction of Examiners' fees). Its purpose is to make provision for the study of Church History and Biblical Criticism

at one or more University Seats in Germany, or elsewhere on the Continent of Europe, in the case of meritorious students at Edinburgh University. It is to be awarded, after competitive examination (on due proficiency being shewn), to a Student in Divinity of the University of Edinburgh, who is a Graduate in Arts of that University of not more than four years' standing. It is tenable for two years; but the Senatus may extend the term for another year if it appear to them desirable. The time of the competition to be fixed and publicly intimated by the Senatus at least three months before; and the Senatus are also at liberty to prescribe whether one Semester or two Semesters in the foreign University shall be attended in each year. It is not offered for competition in the same year as the Pitt Divinity Scholarship or the Glover Divinity Scholarship. See Deed of Foundation at p. 344 of CALENDAR for 1876-77.

1906. *John Kellie, M.A.*

V.—THE DAVID KIDD DIVINITY SCHOLARSHIP.

This Scholarship, which is of the annual value of about £36 (under deduction of Examiners' fees), is tenable for three years, and is awarded, after competitive examination in Theology (same as for B.D.), to students of any of the Universities of Scotland who are natives of Scotland, and who have finished their course of study with the view of becoming Ministers of the Church of Scotland. See Deed of Foundation in CALENDAR for 1879-80, p. 354.

1904. *H. D. F. Dunnett, M.A., B.D.*

VI.—VANS DUNLOP SCHOLARSHIP IN HEBREW AND ORIENTAL (SEMITIC) LANGUAGES.

The Competition is open to all who have been Matriculated Students for not less than two years in this University, and who have not completed six academic years either in this University alone or in this and any other University or Universities together; and who have attended at least two courses under the Professor of Hebrew and Oriental Languages. For General Regulations, see under Faculty of Arts.

Candidates will be examined in Hebrew, Syriac, and Arabic.

The Examiners are the Professor of Hebrew and Semitic Languages, and an Examiner appointed by the Senatus. The next Competition will take place at the end of March 1908.

1905. *John Pinkerton, M.A.*

VII.—VANS DUNLOP SCHOLARSHIP IN HISTORY.

(See *Scholarships in Faculty of Arts.*)

VIII.—BRUCE OF GRANGEHILL AND FALKLAND SCHOLARSHIPS.

These Scholarships were founded in 1865 by Mrs Tyndall Bruce of Falkland, and are of the annual value of £100. They come into

operation only when a vacancy occurs in any one of the three Scholarships of this name in the Faculty of Arts, by the death, resignation, or dismissal, of a Scholar during the period of his tenure of the Scholarship; and are tenable in this Faculty during the remainder of that period. They cannot be held with any other Scholarship or Fellowship of a Scottish University, or with any situation yielding an income of £100 a year.

1904. *J. M. B. Duncan, M.A.*

IX. and X.—THE JEFFREY SCHOLARSHIPS.

These Scholarships, two in number, were founded in 1887 by Miss Jane Jeffrey of Victoria Terrace, Portobello. They are each of the annual value of about £74 (under deduction of Examiners' fees), and are tenable for one year. They are awarded annually for special proficiency in the subjects embraced in each of the four departments of Divinity, Hebrew and Semitic Languages, Ecclesiastical History, and Biblical Criticism; and are open to Students of Divinity in connection with the Church of Scotland who shall have given regular attendance for at least one Session on the Divinity Classes in this University, including the class with which the Scholarship competed for is specially connected. They are competed for in the following order:—first year, Divinity, and Hebrew and Oriental Languages; second year, Ecclesiastical History and Biblical Criticism; and so on from year to year. At the close of Session 1905-1906 the Scholarships in Ecclesiastical History and Biblical Criticism are open. See Deed at page 497 of CALENDAR for 1888-89.

1906. *Ecclesiastical History*—*Alexander Barclay, M.A., B.D.*

Biblical Criticism—*Neil Meldrum, M.A.*
W. T. Monteith, M.A. } equal.

XI.—COBB SCHOLARSHIP.

This Scholarship, founded in 1889, is a bequest by the late Miss Matilda Johnston Cobb, Broughty Ferry. It is of the annual value of about £32 (under deduction of Examiners' fees), and is tenable for three years. The subjects of Examination are Hebrew, Greek, Latin, and Mathematics, and the Scholarship is open to competition amongst Students who are entering on the study of Divinity with a view to becoming Ministers of the Church of Scotland.

1905. *H. L. Stewart, M.A.*

XII. GRAY SCHOLARSHIP FOR RESEARCH.¹

XIII. GEORGE SCOTT TRAVELLING SCHOLARSHIP IN SEMITIC AND INDIAN LANGUAGES.¹

¹ For particulars, see Scholarships in the Faculty of Arts.

XIV.—THE SWINEY LECTURESHIP ON GEOLOGY.

This Lectureship is open to Graduates in any of the Faculties in the University who have obtained their Degrees after examination. For further particulars, see page 338.

SCHOLARSHIPS, BURSARIES, AND UNIVERSITY PRIZES, OPEN FOR COMPETITION IN THE FACULTY OF DIVINITY DURING THE ACADEMIC YEAR COMMENCING 1ST OCTOBER 1906.¹²

I. PRESENTATION BURSARY.²

The Bayne Bursary, No. I., page 359.

II. COMPETITION BURSARIES.³

The Bursary Examination at the beginning of Session 1906-1907 will be held on Friday, 26th, and Saturday, 27th October, commencing at 10 A.M. each day, when the following Bursaries will be open for competition :—

1. *One Webster Bursary*, No. VII., page 358.
2. *One Thomson Bursary*, No. VIII., page 358.
3. *Renton Bursary*, No. XIII., page 358.
4. *The Ettles Bursary*, No. V., page 357.
5. *The Ramsay Bursary*, No. III., page 357.
6. *The Buchanan Bursary*, No. I., page 356.

The subjects of examination for the above, and for *any other ordinary competition Bursary for first year's students that may be vacant* at the opening of the Session will be :—

- (1) *Latin*—Tertullian's 'Apologeticus,' and translation from English into Latin prose.
- (2) *Greek Testament*—Acts, 1 Corinthians, and translation from English into New Testament Greek.

¹ *Note*.—None of the undernoted Bursaries or Scholarships can be held along with any other Bursary, Fellowship, or Scholarship in any Scottish University. None of the after-mentioned Prizes are subject to this condition.

² The values of the Scholarships, Bursaries, and Prizes are subject to variation consequent on the rise or fall of the rate of interest, &c. For further information and for information regarding other Scholarships, Bursaries, and Prizes, &c., see CALENDAR.

³ See Note under Scholarships

- (3) *Mathematics*—"Euclid," Books i.-vi.; Algebra and Elementary Trigonometry.
- (4) *Moral Philosophy*—Seth's "Study of Ethical Principles."
- (5) *Hebrew*—Davidson's Grammar and Exercises.
- (6) *Apologetics*—Flint's "Theism."

7, 8, 9. *Three Grierson Bursaries*, No. VI., page 357.

The subjects of examination for the Grierson Bursaries, if there be competition, will be :—

For the *first* year—

Same as for ordinary Competition Bursaries, except that *Apologetics* is omitted.

For the *second* year—

- (1) *Greek Testament*—Ephesians, 1 Peter, and 1 Corinthians.
- (2) *Hebrew*—Davidson's "Grammar," Genesis xii.-xx., and Ruth.
- (3) *Divinity*—The Doctrines of Man and Sin.
- (4) *Ecclesiastical History*—To 325 A.D.

For the *third* year—

- (1) *Apologetic Theology*—Butler's "Analogy."
- (2) *Hebrew*—Psalms, Book iv., and Deuteronomy vi.-xviii.
- (3) *Ecclesiastical History*—To 325 A.D., and of Scotland, 1500 A.D. to 1600 A.D.
- (4) *Biblical Criticism*—The Second Epistle to the Corinthians (Introduction and Exegesis).

10, 11, 12. *Three Hepburn Bursaries* (each about £14), open for competition by all students of first or second year in Divinity. For one of these, preference given to Gaelic-speaking students. For particulars, apply to the Rev. G. T. Jamieson, D.D., Clerk to the Presbytery of Edinburgh, The Manse, Portobello.

III. PRIZES.

1. *Hepburn Prize*, £25 (which may be divided), to be competed for by students of second or third year. The subject for Session 1906-7 is "The New Testament Doctrine of Retribution." The essay not to exceed fifty pages 4to, and to be handed to Rev. George T. Jamieson, D.D., Clerk to the Presbytery of Edinburgh, The Manse, Portobello, on or before 1st December 1906.

2. *Barty Memorial Prize*, No. I., page 360.

At the close of Session 1906-1907, the following may be open for competition :—

I. SCHOLARSHIPS.

1. *The Kidd Scholarship*, of the annual value of about £36 (under deduction of expenses), and tenable for three years, will be awarded after competitive examination in Theology (same as for B.D.), to students of any of the Universities of Scotland who are natives of Scotland, and who have finished their course of study with the view of becoming Ministers of the Church of Scotland.

2, 3. *Two Jeffrey Scholarships*, Nos. IX. and X., page 364.

The subjects of examination are :—

Divinity—

- (1) Anselm, *Cur Deus Homo?* (Latin text).
- (2) Doctrine of the Atonement.
- (3) The Elements of Christian Ethics.

Semitic Languages (*Hebrew and either Arabic or Syriac*)—

1. Hebrew. Deuteronomy i.-xviii. (with Driver's Commentary), Psalms, Book iv., Zechariah, Hebrew Prose Composition.
2. Syriac. St John's Gospel. Grammar, and easy sentences to translate into Syriac.
3. Arabic. Genesis i.-iii. in Jacob's Bible Chrestomathy and Bruennow's Chrestomathy, pp. 1-22. Grammar, and easy sentences to translate into Arabic.

II. BURSARIES.

1. *One King William Bursary*, No. IV., page 357. The subjects of examination for this Bursary will be the work of the Session in any three of the classes of Divinity, Ecclesiastical History, Biblical Criticism, and Junior Hebrew.

2, 3. *Two Robert Hunter Bursaries*, No. XIV., page 359. Candidates must attain to a fixed percentage. Bursars must produce certificates from the Professors of Chemistry and Geology. The subjects of examination are the same as for the King William Bursary.

4, 5. *Three Misses Brown of Spring Gardens Bursaries*, No. XVIII., page 359.

III. FUNDS FOR SPECIAL STUDY AND RESEARCH.

1. *William Dickson Travelling Fund*, No. I., page 212.

2. *Earl of Moray Bequest for the Promotion of Original Research*, see No. II., page 212.

IV. PRIZE.¹

Gray Prize Essays.—For subject, number and amount of Prizes, &c., apply to Wm. Home Waite, Esq., Duns, Secretary to the Trustees.

The attention of all Bursars in the Faculty of Divinity is particularly called to the following Regulation:—

Each Scholar or Bursar, when he applies to the Factor for a payment, must produce a Certificate, signed by the Dean or the Professor to whose department the Foundation is attached, attesting his regular attendance on the proper Classes, &c., or otherwise that he has fulfilled the conditions attached to the Foundation. Payments are made by the Factor for the University, Sir Henry Cook, W.S., 61 North Castle Street, Edinburgh, on and after 18th November for the Martinmas payments, and on and after 18th May for the Whitsunday payments,—between 10 and 3 o'clock.

N.B.—*Bursars, Scholars, and Fellows who desire to resign should at once announce this to the Factor. They must apply to the Factor for the instalments due to them within three months after they have become payable, otherwise they will be regarded as having resigned.*

JOHN PATRICK, D.D.,
Dean of the Faculty of Divinity.

¹ See Note under Scholarships.

Faculty of Law.

Dean—PROFESSOR SIR LUDOVIC J. GRANT, BART., B.A., LL.D.

The Classes will be opened as follows, and will meet on five days in the week. They will meet for the last time before the Christmas vacation on Friday, 21st December 1906, will reassemble on Tuesday, 8th January 1907, and will be closed on Saturday, 16th March 1907. The Class Fees are collected by the Factor. For the purpose of receiving fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and fees not then paid will be taken at his office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of, "The Collector of Class Fees, Edinburgh University."

See page 164, as to payment of Class Fees by the Carnegie Trust.

Programme of Classes.

WINTER SESSION, 1906-1907.

Classes.	Days of Opening, and Hours of Lectures.	Professors and Lecturers.	Class Fees. ¹
Public Law ² (<i>i.e.</i> a half-course in Juris- prudence and a half-course in Public International Law)	16 Oct., 2 o'cl. }	Prof. Sir Ludovic J. Grant, Bart. }	£4 4 ³
Civil Law ²	16 Oct., 9 ,,	Prof. Mackintosh	5 5 ⁴
Scots Law... ..	16 Oct., 9 ,,	Prof. Rankine....	5 5 ⁴
Constitutional Law } and History ⁵ }	16 Oct., 5 ,,	Prof. Kirkpatrick.	4 4 ³
Conveyancing.....	16 Oct., 9 ,,	Prof. Mounsey....	4 4
Political Economy ² ...	16 Oct., 9 ,,	Prof. Nicholson }	4 4 ³
Do. (Honours)	18 Oct., 11 ,,		3 3 ³
Course, ² <i>Mon., Tues., & Th...</i>			

¹ Matriculation Fees: Year, £1, 1s.; Summer, 10s. 6d. Second attendances: On £5, 5s. or £4, 4s. Courses, £3, 3s.; on £3, 3s. Courses, £2, 2s. On Half-Courses: First half, no reduction; second half, £1, 1s.; on Procedure and Evidence, International Private Law, and Administrative Law, second attendances, £1, 11s. 6d.; third or subsequent attendances on any Class, £1, 1s.

² Qualifying also for the degree of M.A.

³ For a Half-Course, £2, 2s.

⁴ This Fee is paid in Winter, and includes the Winter and Summer Sessions. Fee for Winter Session only, £4, 4s.; for Summer Session only, £2, 2s.

⁵ Qualifies also for graduation in Arts, either as an optional subject, or as "History" under VII., 2 (b), of the Arts Regulations.

WINTER SESSION, 1906-1907—*continued.*

Classes.	Days of Opening, and Hours of Lectures	Professors and Lecturers.	Class Fees. ¹
Ancient (Scottish) History (Honours Course) (<i>Mon., Wed. Fri.</i>).....	17 Oct., 4 o'cl. }	Prof. Hume Brown.. ... }	£ 5. 3 3 ^{2 3 4}
Palæography (<i>Tu., Th.</i>).....	16 Oct., 4 „ }		2 2 ^{2 3 4}
Procedure and Evi- dence (<i>Tu. Wed. Th.</i>).....	16 Oct., 5 „ }	{ John Harvey, B.A., LL.B.	2 2 ²

SUMMER SESSION, 1907.

The Classes in the Faculty of Law will open as follows, and will close on Thursday, 18th July.

Classes.	Days of Opening, and Hours of Lectures.	Professors and Lecturers.	Class Fees. ¹
Civil Law	14 May, 9 o'clock	Prof. Mackintosh.	£5 5 ⁵
Scots Law.....	14 May, 9 „	Prof. Rankine....	5 5 ⁵
Forensic Medicine...	1 May, 2 „	{ Prof. Harvey Littlejohn.... }	{ 4 4
International Pri- vate Law..... }	14 May, 5 „	{ J. H. Millar, B.A., LL.B. }	{ 2 2
Administrative Law...	14 May, 5 „	{ P. F. Wood, M.A., B.C.L., LL.B. }	{ 2 2

MATRICULATION, &c. Pages 30-33.

Courses of Lectures.

1906-1907.

I. CIVIL LAW.

PROFESSOR MACKINTOSH, LL.D.

The full Course in Roman Law extends over a Winter and a Summer Session, covered by one fee of £5, 5s.

¹ See footnote 1, page 369.

² Five shillings University entrance fee for non-matriculated Students. Payment of this fee does not entitle the Student to a Class Certificate nor to any other University privilege.

³ Qualifying also for Degree of M.A. with Honours.

⁴ Fee for both Courses if taken in one Session, £4, 4s.

⁵ See footnote 4, page 369.

I. HISTORY.—This Course, extending up to the Christmas vacation, includes a sketch of the Constitutional and Legal History of Early Rome; a survey of the primitive law in its various branches; and a discussion of the Sources of the law, the rise and progress of Jurisprudence, Codification, and other topics belonging to the external history of the civil law down to the reign of Justinian. It is intended to serve as a historical introduction to the study of the special departments. The historical lectures qualify as a Half-Course for Graduation in Arts.

II. INSTITUTES.—The remainder of the Course is devoted to a systematic exposition of the law (1) of Persons and the Family, (2) of Property and Real Rights, (3) of Wills and Succession, and (4) of Obligations and Contract.

These subjects are divided between the second half of the Winter Session and the Summer Session. The order in which they are taken alternates from year to year, so that attendance on two successive Summer Sessions makes a complete Course.

The Lectures are equally adapted for students qualifying for the legal profession in Scotland or England, or for service in India or the Colonies.

Text-Books.—The Institutes of Gaius and Justinian, and the Professor's "Roman Law of Sale." In connection with the Historical Lectures, students are referred to Muirhead's "Historical Introduction to the Private Law of Rome," and Maine's "Ancient Law."

The "Muirhead Prize" and the "Forensic Prize" are offered annually for competition.

II. SCOTS LAW.

PROFESSOR RANKINE, K.C., LL.D.

Students are recommended to make themselves familiar either with Erskine's "Principles" or his "Institutes" (edition by J. Badenach Nicolson, Esq., 1871). The twentieth edition of the former work will be the text-book of the Class.

1. Sketch of the Literature of the Law of Scotland—the sources of the Law—the interpretation of Statutes.

2. Personal Relations—marriage and the modes of proving it—patrimonial effects of Marriage—rights of husband and wife—dissolution of Marriage—divorce—tutors and curators—minors—insane—parent and child—succession—heritable and moveable—wills—trusts.

3. Wrongs—personal injury—defamation—ownership of heritable property—rights and liabilities incident thereto—ownership of moveables—copyright—patents.

4. Obligations and Contracts—general requisites, constitution, and construction—agency—partnership—joint-stock companies—sale—letting to hire—leases—carriers—shipping—insurance—bills of exchange—extinction of obligations—diligence—bankruptcy.

5. Criminal Law.

Summer Session.

The Lectures on Criminal Law, and part of the lectures on the above subjects, are delivered during the Summer Session.

III. CONVEYANCING.

PROFESSOR MOUNSEY.

INTRODUCTION.—Definition and fundamental principles of Conveyancing.

SECTION FIRST.—Of the Body of legal writings.

I. *Writings which are evidence of Feudal property.*—Constitution of feudal estate—transmission by voluntary disposition or assignation—completion of real right—ancient forms of feudal investiture—transmission by succession—by statutory or judicial compulsion—extinction—casualties.

II. *Writings which are evidence of Moveable property.*—Of corporeal moveables—of incorporeal moveable rights—of obligations—constitution by personal bond—transmission by assignation—by succession—extinction by discharge.

III. *Writings which are evidence of Conventional Restraints and Burdens on property.*—Condition of tenure—real burden—common property and interest—servitude—real security over property moveable or heritable—entail—trust—protected succession.

IV. *Writings which are evidence of Contracts relating to property.*—Contract of sale of heritable property—Submission—Mandate—Partnership—Indenture—Lease—Charter party—Miscellaneous contracts.

V. *Writings which are evidence of Matrimonial and Testamentary Settlement of property.*—Contract of Marriage—Will—Bond of Provision.

SECTION SECOND.—Of the Authentication of legal writings—tested—holograph.

(Erskine's Principles—Menzies', Bell's, or Wood's Lectures.)

IV. PUBLIC LAW.

PROFESSOR SIR LUDOVIC J. GRANT, BART, LL.D.

Two Courses will be delivered during the Session 1906-1907 : (1) General Jurisprudence (Philosophy of Law), Oct.-Dec. 1906 ; and (2) Public International Law, Jan.-March 1907.

1. The Course on Jurisprudence will begin on Tuesday, 16th October 1906, at two o'clock.

(1) Science of Positive Law.

(a) The Conception of Law—Legal organs and sanctions in Tribe and State—Sovereignty.

(b) The Material Sources of Law—Custom—Juridical Interpretation—Judicial Decision—Legislation.

(c) Modes in which Law expressed—Written and Unwritten.

(d) The Subject-matter of Law—Rights and Duties—Persons—Things—Acts—Substantive Law and Adjective Law.

(e) The Theory of Liability.

(f) The Classification of Law.

(2) Science of Natural Law—History of the conception of Natural Law—Basis of Political Obligation—Examination of Institutions.

Books of Reference.—The Student's Austin. Holland, Jurisprudence. Markby, Elements of Law. Salmond, Jurisprudence. Sir Henry Maine's works. Pollock, History of Political

Science, and First Book of Jurisprudence. Clark, Practical Jurisprudence. Lightwood, The Nature of Positive Law. Dicey, Law of the Constitution. Jenks, Law and Politics in the Middle Ages. Green, Principles of Political Obligation. Ritchie, Natural Rights. Ahrens, Cours du Droit Naturel. Bluntschli, The Theory of the State. Lorimer, Institutes of Law.

2. The Course on Public International Law will begin on 8th January 1907.

(a) Historical Introduction. (b) An examination of the sources and a critical exposition of the leading doctrines of Public International Law.

Books of Reference.—Ward, Enquiry into the Foundation and History of the Law of Nations. Wheaton, History of the Law of Nations; Introduction. Nys, Les Origines du Droit International. Walker, History of the Law of Nations. Westlake, International Law. Bryce, Holy Roman Empire. Hall, International Law. Wheaton, International Law. Lawrence, Principles of International Law. Rivier, Principes du Droit des Gens. Nys, Droit International, Principes Théories, Faits Tome I., II. Hertzslet, Map of Europe by Treaty. Letters by Historicus. Pitt Cobbett, Select Cases. Holland, Studies in International Law. Oppenheim, International Law.

V. CONSTITUTIONAL LAW AND HISTORY.

PROFESSOR KIRKPATRICK, LL.D.

This Winter Course qualifies for Graduation in Law or in Arts [either as "History," under VII., 2 (b), of the Arts Regulations, or as one of the other seven subjects]. The Class meets on Tuesdays, Wednesdays, Thursdays, and Fridays, at 5. The work prescribed consists in four examinations (usually on Mondays), and two essays during the Session.

Subjects:—(1st Half) Constitutional History and Law of England, to 1689; (2nd Half) Revolution, Cabinet Government, Reform, &c.; also Colonial History, and Constitutions of N. America, Canada, Australia, etc.

Text-Books.—Taswell Langmead's or Medley's Constitutional History, and S. R. Gardiner's Student's History of England. For further study, Stubbs's Select Charters and English Constitutional History; Hallam's Middle Ages, Chap. viii.; Hallam's Constitutional History of England; Sir T. E. May's Constitutional History; English Constitution by W. Bagehot; Guizot's Lectures on Representative Government; R. Gneist's Self-Government in England, 3d edition, Berlin, 1871; Gneist's Geschichte und heutige Gestalt der Aemter, etc., in England, 2d edition, Berlin, 1866; Gneist's English Constitution, translated by P. A. Ashworth, London, 1886; Blackstone's Commentaries, Book IV., of Public Rights; Dicey's Law of the Constitution; Dr G. C. Lees's Leading Documents of English History; Sir W. Anson's Law and Custom of the Constitution. Also Thwaites's The Colonies, and Hart's Formation of the Union (Epochs of American History); Bourinot's How Canada is Governed, also Constitutional History of Canada; Rusden's History of Australia; Boutmy's Studies in Constitutional Law; Borgeaud's Adoption and Amendment of Constitutions.

The History Library (adjoining the Lecture Room) is open to members of the Class six hours weekly, the hours being announced at the beginning of each Winter Session.

The Mackay Lectures by Mr D. P. Heatley, Lecturer and Assistant in History, are free to members of the Class.

VI. FORENSIC MEDICINE.

PROFESSOR HARVEY LITTLEJOHN.

For Synopsis of this Course, *see* under Faculty of Medicine.

VII. COMMERCIAL AND POLITICAL ECONOMY AND MERCANTILE LAW.

PROFESSOR NICHOLSON.

For Synopsis of this Course, *see* under Faculty of Arts.

VIII. INTERNATIONAL PRIVATE LAW.

Lecturer—J. H. MILLAR, B.A., LL.B.

A Course of Forty Lectures on this subject will be given during the Summer Session on Tuesday, Wednesday, Thursday, and Friday in each week, at 5 P.M. Under Ordinances 39 and 40 attendance on these Lectures qualifies as a half-course for Graduation in Law. The subject is also included among those in which Intrants to the Faculty of Advocates may be examined, and the Lectures are therefore adapted for students qualifying for the Scottish Bar.

The Lectures will deal with (a) The nature and scope of International Private Law ; (b) Its History and Literature ; (c) Its general principles and their application in regard to—
i. *Forum*, or Competency, including Jurisdiction, the Recognition of Foreign Judgments, and Procedure generally ; and
ii. *Lex*, or Choice of Law, in questions of (1) the Personal Law, including *status*, and the family relations ; (2) the Law of Property, moveable and immoveable ; (3) the Law of Obligations, including contract and delict ; (4) Succession ; and (5) Bankruptcy.

Examinations will be held on the subjects of the Lectures.

Students are strongly recommended to attend the Class of Scots Law before attending this Course.

Books of Reference.—Gillespie's Bar ; Guthrie's Savigny ; Westlake's Private International Law ; Dicey's Digest of the Law of England with reference to the Conflict of Laws ; and Rattigan's Private International Law.

PROCEDURE AND EVIDENCE.

Lecturer—JOHN HARVEY, B.A., LL.B.

This Course of Forty Lectures will describe the various Courts of Scotland, with the nature of their jurisdiction, the actions competent in each, and the details of the procedure followed in them. It will also include the principles of the Law of Evidence. The Lectures are delivered on Tuesday, Wednesday and Thursday during the Winter Session.

Text-Books.—Balfour's "Handbook of Court of Session Practice" (edition 1904); Lewis's "Handbook of Sheriff Court Practice" (edition 1904); The Parliament House Book; Kirkpatrick on "Evidence."

Candidates for Graduation who pass in Procedure and Evidence as an extra subject may have this fact recorded on their Diplomas.

ADMINISTRATIVE LAW.

Lecturer—P. F. WOOD, M.A., B.C.L., LL.B.

A Course of Forty Lectures on this subject will be delivered on Tuesday, Wednesday, Thursday, and Friday of each week during the Summer Session (beginning on Thursday, 16 May 1907) at 5 P.M.

Attendance on these Lectures qualifies for graduation in Law (to the extent explained in the Regulations).

The Lectures will deal with :—

Local Authorities.—Town Councils, County Councils, Parish Councils, School Boards, etc. ; their Constitution and Functions.

Central Authorities.—Scottish Office, Education Department, Local Government Board, Lunacy Commissioners, etc.

Valuation and Rating.

Private Legislation, etc.

Examinations will be held on the Subjects of the Lectures.

Book of Reference.—Students should have "The Councillors' Manual" (Messrs Green & Sons) as a compendium of the Statutes concerning Administrative Law.

Regulations for Graduation in Law.

LL.B. AND B.L.

For Regulations for those who began the Study of Law, with a view to Graduation, before 1st October 1895, see CALENDAR for 1896-97 or previous CALENDARS.

Two Degrees in Law are conferred on Examination, viz., Bachelor of Law (B.L.) and Bachelor of Laws (LL.B.). Either Degree admits

to the profession of Law Agent, provided the Candidate has included Scots Law and Conveyancing among his Graduation subjects, and has passed an Examination in the Practice of the Courts under the Law Agents Act.

The Degree of LL.B., if the Candidate has been examined in Civil Law, Philosophy of Law, International Law (Public or Private), Constitutional Law and History, Medical Jurisprudence, Scots Law (Civil and Criminal Law, including Procedure), and Conveyancing, admits to the profession of Advocate.

Two Law Graduation Examinations are held annually, in September-October, and in March.

I. BACHELOR OF LAWS (LL.B.).

I. No one is admitted to examination as a Candidate for the Degree of Bachelor of Laws (LL.B.) unless he be a Graduate in Arts of one of the Universities of the United Kingdom; or of any Foreign or Colonial University specially recognised for the purpose by the University Court.¹

II. The course of study in Law for the Degree of Bachelor of Laws includes the following subjects:—

- (1) Jurisprudence, General or Comparative, during a course of not less than forty lectures.
- (2) The Law of Nations, or Public International Law, during a course of not less than forty lectures.
- (3) Civil Law, during a course of not less than eighty lectures.
- (4) Law of Scotland, or Law of England, during a course of not less than eighty lectures.
- (5) Constitutional Law and History, during a course of not less than eighty lectures.
- (6) Conveyancing, during a course of not less than eighty lectures; or Political Economy, or Mercantile Law, during a course of not less than eighty lectures.
- (7) Any two of the following subjects, namely:—International Private Law, Political Economy, Administrative Law, and Forensic Medicine; in each case during a course of not less than forty lectures.

III. (1) The course of study necessary for the Degree of Bachelor of Laws extends over three academical years, one of which at least must be spent in the University in which the Candidate intends to

¹ The following Degrees have been recognised in terms of this Section: B.A. of New Zealand University; B.A. of Cape of Good Hope University; B.A. of Dalhousie University, Halifax, Nova Scotia; Queen's College, Kingston, Canada; B.A. of the Universities of Calcutta, Madras, Harvard, and Michigan; M'Gill University, Montreal; University of Allahabad.

graduate, the other two may be spent in any other University or School of Law, specially recognised by the University Court.¹

(2) No Candidate for a Degree is deemed to have attended a class as part of the course of study necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

IV. Candidates must undergo examination in the subjects prescribed in Section II. hereof; and they must pass at one examination in at least two of these subjects. Before presenting themselves in any subject the Candidates must have attended the requisite course of instruction in such subject. Candidates who have passed an examination for another degree in any of the said prescribed subjects in the same University may be exempted from examination in such subject or subjects, provided that the examiners are satisfied that the previous examination in such subject or subjects has been passed on a sufficiently high standard.

V. Every Candidate for the Degree of Bachelor of Laws is examined both orally and in writing on each of the subjects in the course of study above prescribed, in which he presents himself for examination.

VI. (1) Distinction may be awarded to Candidates who have displayed exceptional merit in their examinations.

(2) For the Degree of Bachelor of Laws a diploma is given, setting forth the subjects in which the Candidate has passed, and the distinction (if any) he has attained.

Candidates for Examination or Graduation must matriculate for the year.

II. BACHELOR OF LAW (B.L.).

I. No one is admitted to examination as a Candidate for the Degree of Bachelor of Law (B.L.) unless he be a Graduate in Arts of one of the Universities of the United Kingdom, or of any Foreign or Colonial University specially recognised for the purpose by the University Court;^{1,2} or until he has passed—*A.* The Preliminary Examination in the Faculty of Arts, or its equivalent, and *B.* An examination in one of the Scottish Universities, to be conducted by the Examiners in Arts, in the following subjects, on the Standard of Examination for the Ordinary Degree of Master of Arts:—

(1) Logic and Psychology; or, in the option of the Candidate, Moral Philosophy. (2) Latin. (3) One additional Arts subject, not being one of those which belong also to the Faculty of Law.

And he must have studied at least one of these subjects in a full

¹ Recognised in terms of this section: the Universities of Oxford, Cambridge, and Dublin; the Inner and Middle Temples; Lincoln's Inn; Gray's Inn; the Madras Law School; College of Law, University, Minnesota; M'Gill University, Montreal.

² See footnote, page 378.

course in a Scottish University, or an equivalent course in another University approved by the University Court.

II. The course of study in Law necessary for the Degree of Bachelor of Law must include the following subjects:—

(1) Civil Law, during a course of not less than eighty lectures; or a half-course in Civil Law where in any University a full course is not available; provided that in the latter case, Candidates who are not already graduates in Arts are required to take in addition a course in such subject in Arts as may be sanctioned by the Senatus Academicus, or a half-course in one or other of the following branches of Law:—(a) Jurisprudence, General or Comparative. (b) The Law of Nations, or Public International Law. (c) Constitutional Law and History. (d) International Private Law. (e) Mercantile Law. (f) Administrative Law.

(2) Law of Scotland, during a course of not less than eighty lectures.

(3) Conveyancing, during a course of not less than eighty lectures.

(4) Forensic Medicine, during a course of not less than forty meetings of the class; or, in the option of the Candidate, a half-course in one of the branches of Law specified in sub-section 1 of this section, if not already taken.

III. (1) The course of study in Law necessary for the Degree of Bachelor of Law extends over two Academic years.

(2) No Candidate for a Degree is deemed to have attended a class as part of the course of study necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

(3) The Candidate may prosecute his studies during the prescribed two years in one Scottish University, or in different Scottish Universities, or in a Scottish University and a University or School of Law specially recognised by the University Court; but one at least of these years must be spent, and all the examinations in the subjects mentioned in the preceding section must be passed, at the University in which he intends to graduate.

IV. The Candidate for the Degree of Bachelor of Law must undergo examination and pass in the four or more subjects selected by him; but he may present himself for examination in one subject or group of subjects at a time, provided that he has completed the course of study for such subject or group of subjects, and provided also that in that case a higher standard of proficiency shall be exacted.

V. Every Candidate for the Degree of Bachelor of Law is examined, both orally and in writing, on each of the subjects in the course of study above prescribed, in which he presents himself for examination.

VI. (1) Distinction may be awarded to Candidates who have displayed exceptional merit in their examinations.

(2) For the Degree of Bachelor of Law a diploma is given, setting forth the subjects in which the Candidate has passed, and the distinction (if any) he has attained.

Candidates for Examination or Graduation must matriculate for the year.

EXAMINATIONS.

I. PRELIMINARY EXAMINATIONS FOR BACHELOR OF LAW (B.L.).

For outlines of the subjects of the Preliminary Examination (a) on the Standard of the Preliminary Examination for the Degree of Master of Arts (M.A.), and (b) on the Standard of the Ordinary Degree of M.A., see Regulations for Degrees in Arts, where the dates of entering for the Examinations and payment of the Fees, and the dates of the Examinations, are given.

II. LAW EXAMINATIONS (FOR DEGREES OF LL.B. AND B.L.).

Subjects for October 1906 (and till further notice).¹

In GENERAL JURISPRUDENCE the subjects will be *The Philosophy of Law and Civil Society*, and *Analytical and Historical Jurisprudence*. For books recommended see Synopsis of the Professor's Lectures.

In PUBLIC INTERNATIONAL LAW the examination will be in the doctrines of the Law and the historical and scientific questions connected therewith. For books see Synopsis of the Professor's Lectures.

In CIVIL LAW the examination will be on the History of the Law, and on its Principles as explained in the Institutes of Gaius and Justinian. The paper will contain passages from these texts for translation into English. Candidates for LL.B. will also be examined on Books xviii., tit. i. (*De contrahenda emptione*) and xix., tit. i. (*de actionibus empti venditi*) of the Digest.

In CONSTITUTIONAL LAW AND HISTORY — (a) Constitutional History and Law of England, down to the first Reform Act (Text-books, the works of Stubbs, Hallam, and May); (b) Constitutional History of the North American Colonies; of Canada; of the U.S.A. to 1789; and of the Australian Commonwealth. (Text-books, see Synopsis of Lectures.)

In the LAW OF SCOTLAND the subject will be the Municipal Law, Civil and Criminal. The works of Mr Erskine, Mr G. J. Bell, and Lord Kingsburgh, in the latest editions, are recommended to Candidates.

¹ Examination papers will be set in the other subjects prescribed by the Regulations if required.

In CONVEYANCING the subject of examination will be—The History, Principles, Forms and Authentication of the Title of Heritable and Moveable Property: including Conveyances, Obligations, Contracts, Securities, Real Diligence, Entails, Succession, Marriage Contracts, Trusts, and Testamentary Settlements.

In FORENSIC MEDICINE—The subjects of the Course, with the exception of Toxicology.

In POLITICAL ECONOMY Candidates are recommended to read, in addition to the books set for the M.A. examination, the Professor's "Principles of Political Economy," Books I.-III.

In INTERNATIONAL PRIVATE LAW Candidates will be examined on the subjects dealt with in the Lectures. See Synopsis of Lectures.

PROCEDURE AND EVIDENCE.—Candidates for a Law Degree may be examined in this subject also, and have the fact recorded on their diplomas. Candidates will be examined on the subjects dealt with in the Lectures. Text-books, see Synopsis of Lectures.

ADMINISTRATIVE LAW.—Candidates will be examined on the subjects dealt with in the Lectures. See Synopsis of Lectures.

FEEES. .

I. PRELIMINARY EXAMINATION FOR B.L.

1. For each examination on Standard of M.A. Preliminary Examination, ... £0 10 6
2. For each subject on M.A. Standard the same fee as is payable for the corresponding subject for M.A., viz. 15s., or £1, 1s., as the case may be.

II. LAW EXAMINATIONS FOR LL.B. AND B.L.

The fee payable for LL.B. is £6 6 0
or

If the Examination be taken at two or more periods—

For the First, ... £3 3 0

For the Second, ... 3 3 0

The fee payable for B.L. is £5 5 0
or

If the Examination be taken at two or more periods—

For the First, ... £3 3 0

For the Second, ... 2 2 0

Candidates for LL.B. or B.L. subjects pay a fee of 10s. 6d. for re-appearance for Examination in each subject.

Candidates for Examination or for Graduation must be Matriculated Students of the Academic year.

Fee for registration as a member of the General Council (if not already registered) £1.

**DATES OF LAW EXAMINATIONS, AND FOR GIVING
IN NAMES AND PAYMENT OF FEES.¹**

Candidates may pay the fees personally or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed Union Bank of Scotland (Hunter Square Branch), Edinburgh, but not by cheques on private accounts.

1906.

- | | | |
|-------|----------|--|
| Sept. | 27, Th. | Names to be given in, certificates shown, and fees paid, <i>on or before</i> this date. |
| Oct. | 4, Th. | General Jurisprudence, 9-11; Public International Law, 11.30-1.30; Political Economy, 3-5. |
| ,, | 5, Fri. | Civil Law, 9-11, 11.30-1.30; Political Economy, 3-5. |
| ,, | 6, Sat. | Constitutional Law and History, 9-11. |
| ,, | 8, Mon. | Scots Law, 9-11, 11.30-1.30; Constitutional Law and History, 2-4. |
| ,, | 9, Tu. | Conveyancing, 9-11, 11.30-1.30; Forensic Medicine, 2-4. |
| ,, | 10, Wed. | International Private Law, 9-11; Procedure and Evidence, 12-2; Administrative Law, 3-5. |
| ,, | 15, Mon. | Oral Examinations. |

1907.

- | | | |
|-------|----------|---|
| March | 1, Fri. | Names to be given in, certificates shown, and fees paid, <i>on or before</i> this date. |
| ,, | 11, Mon. | Scots Law, 9-11, 11.30-1.30; Constitutional Law and History, 2-4. |
| ,, | 12, Tu. | Civil Law, 9-11, 11.30-1.30; Constitutional Law and History, 2-4. |
| ,, | 13, Wed. | Conveyancing, 9-11, 11.30-1.30; Forensic Medicine, 2-4. |
| ,, | 14, Th. | General Jurisprudence, 9-11; Public International Law, 11.30-1.30; Political Economy, 5-7. |
| ,, | 15, Fri. | Political Economy, 5-7; International Private Law, 9-11; Procedure and Evidence, 12-2; Administrative Law, 3-5. |
| ,, | 18, Mon. | Oral Examinations. |

GRADUATION CEREMONIALS.

- | | | |
|-------|----------|---|
| April | 12, Fri. | } Names to be entered at least ten days previously. |
| July | 26, Fri. | |

¹ When names are not entered, nor fees paid, on or before the stated dates, or a Pass obtained where the fee has been previously paid, a late-entry fee of ten shillings must be paid before the Candidate can be admitted to examination. This fee will not be received after Twelve o'clock of the last day but one preceding the Examination for which the Candidate desires to appear, without the express permission of the Dean of his Faculty and the subsequent sanction of the Senatus. A Candidate must enter his name and pay the Fee, or, when the fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear. A Candidate is not held to be entered until his Schedule is lodged, the Fee paid and a Pass to the Examination obtained.

Graduates in Law.¹

DEGREE OF LL.B., 1889-1906.

1889.

- David Anderson, M.A.
 Claud Patrick Boswell, M.A.
 Archibald Brown Campbell, M.A.
 *Andrew Henderson Briggs Constable, M.A.
 *Alistair Davidson, M.A.
 *Matthew Robin Greenlees, M.A.
 James Arthur Hope, M.A.
 *William Hunter, M.A.
 *Robert Bird Kerr, M.A.
 Francis Kinloch, B.A.
 *George Fleming Mathers, M.A.
 *John Hepburn Millar, M.A.
 *Charles David Murray, M.A.
 *Coventry Dick Peddie, M.A.
 John Ritchie, M.A.
 *Hamish Hay Stuart, M.A.
 Arthur Moodie Thomas, M.A.
 *Alexander Thomson, M.A.
- 1890.
- *Duncan Mearns Abel, M.A.
 *James Robertson Christie, M.A., LL.B. (Glasg.).
 *William Scott Currie, M.A.
 Edmund John Gunn, M.A.
 Neil James Kennedy, B.A.
 William James Kippen, B.A.
 Lawrence M'Laren, M.A.
 John Liddell Officer, M.A.
 Alexander David Russell, M.A.
 *William Thomson, M.A.
- 1891.
- Andrew Brown, M.A.
 Charles Walker Bruce, M.A.
 Robt. Jeffrey Cunningham, M.A.
 James Wright Forbes, M.A.
 Henry William Gibson, M.A.

- Alexander Gray, M.A.
 William Gray, M.A.
 *James Mercer Irvine, M.A., B.Sc.
 *Erskine Dawson Jamieson, M.A.
 *Thomas Johnston, M.A.
 Robt. Carmichael Malcolm, M.A.
 *Thomas Brash Morison, M.A.
 C. Morrison, M.A.
 *Andrew Fleming Smith, M.A.
 James Robert Earl Monteith Smith, M.A.
 Michael Smith, M.A.
 *Robert Macaulay Smith, M.A.
 Frederick Mills Spankie, M.A.
 Alex. Arthur Granger-Stewart, M.A.
 *Robert Moir Williamson, M.A.
 John Buchanan Young, M.A.

1892.

- James Barty, M.A.
 William Brown, M.A.
 *John Sproat Taylor Cameron, M.A.
 *William Chree, M.A.
 John Marr Davidson, M.A.
 *James Grant, M.A.
 Augustus Wallace M'Gregor, M.A.
 Thomas John Millar, M.A.
 Alexander John Raeburn, M.A.

1893.

- George Haskell Boyd, M.A.
 Thomas Sanderson Hepburn Burns, M.A.
 *William Findlay, M.A.
 Louis Carr Hallard, M.A.
 *William Ingram, M.A., D.Sc.
 *Robert Munro, M.A.

¹ The names of all the Graduates in Law from the institution of the Degrees to 1888 will be found in the List of Graduates of the University, published in 1889, pp. 125-127. See also previous CALENDARS.

* Passed with distinction.

William Dormond Munro, M.A.
 * Alexander Blairford Smith, M.A.
 Thomas Callander Wade, M.A.
 John Peregrine Robertson White,
 M.A.

1894.

* Alexander Brown, M.A.
 Robert Smith Craig, M.A.
 William Graham, M.A.
 Ian MacIntyre, M.A.
 * James M'Robie, M.A.
 David Maxwell, M.A.
 George Morton, M.A.
 John Purves Smith, M.A.
 Frederick James Thomson, M.A.
 * John Aitken Welsh, M.A.

1895.

* Francis Molison Anderson, M.A.
 * James Ballantyne, M.A.
 John Erskine Dods, M.A.
 Alexander James Louttit Laing,
 M.A.
 * Charles Lippe, M.A.
 Alexander M'Callum, M.A.
 William Dunbar MacDougall,
 M.A.
 William George Manson, M.A.
 * John Arthur Thomas Robertson,
 M.A.
 Walter James Robertson, M.A.
 James Rose, M.A.
 * James Miller Thomson, M.A.
 David Milne Watson, M.A.

1896.

* James Adamson, M.A.
 Arthur James Alison, M.A.
 William Blair, M.A.
 * John Aitken Christie, M.A.
 James Dunlop, M.A.
 * Hugh Archibald Hamilton, M.A.
 Robert Macfie, M.A.
 Robert Dundonald Melville, M.A.
 James Duncan Millar, M.A.
 William Mitchell, M.A.

1897.

* Alexander Boyd Barty, M.A.
 * John Cowan, M.A.
 * Thomas Crow Darling, M.A.
 Maxwell Fleming, M.A.
 Robert Candlish Henderson,
 M.A.
 * David Nasmyth Clarke Hogg,
 M.A.
 Robert Macgregor Mitchell, M.A.
 John Alexander Robson, M.A.
 George Crurie Steuart, M.A.

1898.

Bijay Kisor Acharyya, B.A.
 * William Burt, M.A.
 * Robert Gray, M.A.
 Thomas Hart, M.A.
 * John Alexander Inglis, B.A.
 Henry Lillie, M.A.
 Malcolm Nicolson MacInnes,
 M.A.
 John Mackintosh, M.A.
 Dugald Maclean, M.A.
 John James Maclean, M.A.
 William Ogilvy, M.A.
 * Subharama Swaminadhan, M.A.

1899.

* William Keith Aikman, M.A.
 * James Bell Ballingall, M.A.
 * David Connel, M.A.
 * Edward Francis Gibson, M.A.
 George Hart, M.A.
 Charles Angus Macpherson, M.A.
 * David Anderson Miln, M.A.
 * David Robertson, M.A.

1900.

* William Darling, M.A.
 * John Hossell Henderson, M.A.
 James Mitchell, M.A.
 William Harper Sellar, M.A.
 John Smart, M.A.
 Alexander Steedman, M.A.
 * Alfred Patrick MacThomas
 Thoms, M.A.

* Passed with Distinction.

1901.

Samuel Kerr Gifford Kerr, M.A.
 William M'Clymont, M.A.
 John Selby Mackay, M.A.
 *Francis Robert Sanderson, B.A.
 Frederick Charles Thomson, B.A.

1902.

Edward Russell Boase, B.A.
 Byrom Stanley Bramwell, B.A.
 *Duncan Macnab Burden, M.A.
 James Smith Clark, M.A.
 *Marshall Millar Craig, M.A.
 John Charles Fenton, M.A.
 William Arnot Fleming, M.A.
 Alex. Archibald Fraser, M.A.
 Robert Forsyth Irving, M.A.
 *William Mitchell-Thomson, B.A.
 James Macdonald, M.A.
 *Alexander Morrice Mackay, M.A.
 William Henry Meikle, M.A.
 Arthur Stanley Pringle, B.A.,
 LL.B. (Cantab.).

*Alexander Stuart, M.A.
 *Walter Tait Watson, M.A.

1903.

Robert William Cockburn, M.A.
 *William Syme Colville, M.A.
 Robert Sterling Craig, M.A.
 George Francis Deas, M.A.
 David Oswald Dykes, M.A.
 John Ireland Falconer, M.A.
 Henry Lumsden Forbes Fraser,
 M.A.
 Thomas Johnstone Carlyle
 Gifford, M.A.
 Thomas Gillespie, M.A.
 Robert William Lyall Grant, M.A.
 John Gordon Jameson, M.A.
 James Stafford Kinghorn, M.A.
 Alfred Martin Laing, M.A.
 Richard Lillie, M.A.
 James Harold Macdonald, M.A.
 John MacLachlan Mackay, M.A.
 William Ferguson MacLagan, M.A.
 Alexander Maitland, B.A.

Charles Black Milne, M.A.
 Dunbar Nicholson, M.A.
 Hardy Philip, M.A., B.L.
 James Williamson, M.A.
 William Gibson Wedderspoon,
 M.A.

1904.

David Chapel, M.A.
 William Smith Clark, M.A.
 David Keith Cunnison, M.A.
 Arthur Paterson Duffes, M.A.
 *William Dunbar, M.A.
 Stair Agnew Gillon, B.A.
 *James M'Caig, M.A.
 Tom Alexander Menzies, M.A.
 John Frederic Milne, M.A.
 James Walker Somerville, M.A.
 John Taylor, M.A.
 *Alfred Ebenezer Spence Thom-
 son, M.A.

1905.

Hector Burn-Murdoch, B.A.
 James Alexander Cameron, M.A.
 James Black Cameron, M.A.
 *Robert Jack Dykes, M.A.
 John Craig Guthrie, M.A.
 George Grant M'Kerron, M.A.
 John M'Michael, M.A.
 James Ian Macpherson, M.A.
 Robert Cumming Thomson Mair,
 M.A.
 James Scobie, M.A.
 *William Scott, M.A.
 *Ernest Henry Wishart, M.A.

12th April 1906.

*Craigie Mason Aitchison, M.A.
 Alexander Cormack, M.A.
 Robert Falconer, M.A.
 John Macgregor, M.A.
 Albert Alex. Mackenzie, M.A.
 Charles Lockhart Riach, M.A.
 Andrew Hamilton Scott, M.A.
 John Gordon Simpson, M.A.
 *George Smith, M.A.
 Harold George Hill Sprott, M.A.

* Passed with Distinction.

DEGREE OF B.L., 1889-1906.

1889.

*Robert Liddell Cockburn.
John Glover.
William Stowell Haldane.
John Lumsden Macpherson, M.A.
John James Waugh.

1890.

Duncan Cameron.
Duncan Archibald Maccoll.
Robert Watson.

1891.

John Scrymgeour Hepburn.
John Nisbet.
William Alexander Stewart.
Thomas Trotter.

1893.

John Romanes.
Thomas Edward Taylor, M.A.

1894.

*Alexander Douglas Donald.
Buckham William Liddell.

1895.

Geo. Ernest Rawson Coldstream.
William Alexander Cullen.

1896.

James Dan Easson.
*Alexander Speeden Riach.
David Ritchie.
*William Gowan Dobie Simpson.

1897.

Alexander Ernest Philip Gardner.

1898.

James Kidd.
John William Dods Kirkland.
Alexander Malcolm MacEwen.
And. Macgregor Meldrum, M.A.
William David Mitchell.

1899.

Robert Letalle Proudfoot.
*James Scrimgeour.
John Swan Mercer.

1901.

Thomas Carmichael Lowe.
William Robertson.

1902.

James Douglas Little.

1903.

Charles Jenner Lauchlan, M.A.
George Worrall.

1904.

Frank Clark Budge, M.A.
Peter Buncle Carment.
*John Falconer, M.A.
Duncan Kennedy.
Kerr Alexander Simpson.
John Paris Steele.

12th April 1906.

*Archibald Hutcheon, M.A.

* Passed with Distinction.

DEGREE OF DOCTOR OF LAWS (LL.D.).*

The Degree of Doctor of Laws is conferred *honoris causâ tantum*. It was first granted in 1695. Previously to 1751 it had been conferred on seven persons only. Since then more than 400 names, including some of the most distinguished in Europe, have been added to the list. The degree is not conferred in absence except in very special cases.

The following is a list of those upon whom the Degree of Doctor of Laws has been conferred 1889-1906 :—†

1889.

- ¹ Sir Syed Ahmed Khan, Bahadûr,
K.C.S.I.
J. E. T. Aitchison, C.I.E., M.D.,
F.R.S., &c.
¹² James D. Dana.
¹ Francis Day, C.I.E., &c.
¹ Hon. David Dudley Field.
¹² C. Gegenbaur.
¹² E. Haeckel.
¹ Rudolf von Jhering, Dr. Jur.
¹² E. E. Kummer.
William Mackintosh, M.A., Q.C.
¹² Konrad Maurer.
Maurice Paterson, B.A.
Richard Quain, M.D., F.R.S., &c.
¹ Rudolf von Roth, Ph.D.
¹² Barthélemy St. Hilaire.
¹² Jules Simon.
Whitley Stokes, C.S.I., C.I.E.,
D.C.L., &c.
¹² Geheimrath Heinrich von Sybel.
James Ward, M.A., D.Sc.
¹ William Dwight Whitney.
¹² B. Windscheid.

1890.

Sir Benjamin Baker, C.E.
Pierre Paul Leroy-Beaulieu.

Right Hon. Henry Chaplin, M.P.
Sir Dyce Duckworth, M.D.
Sir John Fowler, Bart., C.E.
¹ James Anthony Froude, M.A.,
LL.D.
Joseph H. Gilbert, M.A., Ph.D.,
LL.D., F.R.S.
William W. Goodwin, D.C.L.
James Hardy.
Sir John Kirk, M.D., G.C.M.G.
General Robert MacLagan, R.E.
John Marshall, M.A.
Right Hon. J. P. B. Robertson,
M.P.
Frederic Seebohm, F.S.A.
Emeritus-Professor C. Piazzi
Smyth, F.R.A.S., &c.
H. M. Stanley.
Spencer Walpole.

1891.

Alexander Asher, Q.C., M.P., &c.
John Beddoe, M.D., F.R.S., &c.,
&c.
Major C. R. Conder, R.E.,
D.C.L.
Felix Dahn.
Alexander Campbell Fraser,
D.C.L., LL.D.

* Those to whom the Degree has been offered, if unable to be present at the Graduation Ceremonial immediately ensuing, may present themselves at any subsequent Ceremonial, on giving at least a week's notice.

† The names of those who received the Degree prior to 1859 will be found in the "Catalogue of the Graduates in the Faculties of Arts, Divinity, and Law of the University of Edinburgh since its foundation," published in 1858, and of those who received the Degree from 1859 to 1888, both years included, in the List of Graduates published in 1889, and in previous CALENDARS.

¹ Conferred *in absentia*.

² Tercentenary Graduates unable to be present in 1884.

Cunningham Geikie, D.D.
George Joachim Goschen, M.P.
Sir George Murray Humphry,
M.D., F.R.S.
Colonel Sir Colin Campbell Scott
Moncrieff, K.C.M.G., C.S.I.
Professor Simon Newcomb.
Sir Herbert Stanley Oakeley,
M.A., Mus. Doc., LL.D.,
D.C.L.
John Johnstone Rogerson, B.A.,
LL.B.

1892.

Surgeon-General James Macnabb
Cunningham, M.D., &c.
¹ Rev. C. V. A. Van Dyck, M.D.,
D.D.
Robert M. Ferguson, Ph.D.,
F.R.S.E.
Rt. Hon. Sir Edward Fry.
¹ Theodore Noëldeke.
Dr Jakob Schipper.
Hon. Sir Charles Tupper, Bart.,
G.C.M.G., C.B., M.D.
¹ Rev. Thomas Walker, M.A.
Robert Boog Watson, B.A.,
F.R.S.E.

1893.

Geheimrath Professor Dr Arthur
Auwers.
Sir I. Lowthian Bell, Bart., F.R.S.
John Sutherland Black, M.A.
Sir George Buchanan, M.D.,
F.R.S.
Rt. Hon. Sir Stuart Knill, Bart.
Henry Duncan Littlejohn, M.D.,
F.R.C.S. Edin.
Alfred Marshall, M.A.
John Rhys, M.A.
His Excellency General the Right
Hon. Lord Roberts, of Can-
dahar, G.C.B., G.C.I.E.,
V.C., R.A. (B.).
Lieut.-Colonel Justin C. Ross,
C.M.G.

Rev. Walter C. Smith, D.D.
Alexander Moody Stuart.
Ramsay Heatley Traquair, M.D.,
F.R.S.

1894.

John Taylor Brown.
W. H. Gaskell, M.D., F.R.S.
Henry Goudy, M.A., LL.B.
Professor Franz Kielhorn, Ph.D.
Professor Diodato Lioy.
Charles B. Logan, W.S.
David Patrick, M.A., B.D.
Rt. Hon. Sir Charles John Pear-
son, M.A., Q.C., M.P.
James Alexander Russell, M.A.,
B.Sc., M.B., C.M.
George Wilson, M.A., M.D.

1895.

Rev. William Cunningham, M.A.,
D.Sc., D.D.
Hon. Lord M. T. Stormonth
Darling, M.A.
Thos. Edmonson Charles, M.D.
Joseph Remi-Leopold Delbœuf,
Ph.D., D.Litt., D.Sc.
S. Weir Mitchell, M.D.
Professor W. M. Flinders Petrie,
M.A., D.C.L.

1896.

Sir Dietrich Brandis, Ph.D.,
K.C.I.E., F.R.S.
P. Hume Brown, M.A.
Giosuè Carducci.
Sir Charles A. Elliott, K.C.S.I.
Emeritus-Prof. David Masson,
LL.D.
Sir J. Russell Reynolds, Bart.,
M.D., &c.
Douglas Argyll Robertson, M.D.
John Alexander Stewart, M.A.
David Duncan, M.A., D.Sc.
Professor Francis A. Walker,
LL.D.

¹ Conferred *in absentia*.

1897.

Prof. James Dewar, M.A., F.R.S.
 James Gairdner.
 William M'Ewan.
 Emeritus-Professor Sir Douglas
 MacLagan, M.D., &c.
 John Rae, M.A.
 The Rt. Hon. Lord Russell.
 John Turnbull Smith.
 John Wyllie, M.D.

1898.

Henry Pickering Bowditch, M.D.
 Sir William Broadbent, Bart.,
 M.D., F.R.S.
 Horace T. Brown.
 Thomas Lauder Brunton, M.D.,
 D.Sc., F.R.S.
 John B. Bury, M.A.
 J. Victor Carus.
 William J. Courthope, C.B.,
 M.A., D.Litt.
 Eugene Doyen, M.D.
 David Ferrier, M.D., LL.D.,
 F.R.S.
 Joseph Forster, M.D.
 M. le Comte de Franqueville.
 Carl Gerhardt, M.D.
 Richard Burdon Haldane, Q.C.,
 M.P.
 Jonathan Hutchinson, M.D.,
 LL.D., F.R.S.
 Lord Kitchener of Khartoum.
 Theodor Kocher, M.D.
 Thomas G. Law.
 John W. M'Crindle, M.A.
 August Martin, M.D.
 Johann Miculicz, M.D.
 Ottavio Morisani, M.D.
 William Osler, M.D., LL.D.
 Hon. Sir Walter Phillimore,
 Bart., D.C.L.
 William Playfair, M.D., LL.D.
 D. G. Ritchie, M.A.
 Thomas George Roddick, M.D.

Siegmund Rosenstein, M.D.
 Herman Snellen, M.D.
 Sir Richard Thorne Thorne,
 K.C.B., F.R.S.

1899.

Sir William Anson, Bart., M.P.,
 D.C.L.
 Lord Balfour of Burleigh.
 William Mitchell Banks, M.D.,
 F.R.C.S.
 Andrew C. Bradley, M.A.
 Archibald H. Charteris, D.D.
 Marquess of Dufferin and Ava,
 K.C.B., G.C.B., G.C.M.G.,
 G.C.S.I., G.C.I.E., D.C.L.
¹ Caleb Frank Gates, D.D.
¹ Khan Bahadur Shams-ul-Ulama
 Moulavee Saiyid Muhammad
 Zia-ood-Deen Khan, Raees of
 Delhi.
 David F. Lowe, M.A.
 George Walter Prothero, M.A.,
 D.Litt.
 Andrew G. Wauchope, C.B.,
 C.M.G.
 Viscount Wolseley, K.C.B.,
 G.C.B., G.C.M.G., K.C.M.G.,
 D.C.L.

1900.

Horatio Robert Forbes Brown,
 J.P.
 His Excellency the Hon. Joseph
 Hodges Choate.
 Miss Eleanor A. Ormerod, F.R.
 Met. Soc., F.E.S.
 Charles D. F. Phillips, M.D.
 Thomas Smith, D.D.
 William Ritchie Sorley, M.A.
¹ Thomas Anderson Stuart, M.D.
¹ Professor Cornelis Petrus Tiele,
 Theol.D., Litt.D., LL.D.
 John Philp Wood, W.S.

¹ Conferred *in absentia*.

1901.

Charles Alfred Cooper, F.R.S.E.
 Arthur John Evans, M.A.,
 F.S.A., Museum, Oxford.
 Rt. Hon. Sir Robert Bannatyne
 Finlay, K.C., LL.D.
 William Augustus Heard, M.A.
 James Little, M.D., M.R.I.A.
 James Moir.
 Sir John Williams, Bart., M.D.,
 F.R.C.P.

1902.

Rt. Hon. Lord Alverstone,
 G.C.M.G.
 Rt. Hon. Herbert Henry Asquith,
 K.C., M.P.
 Rt. Hon. Sir Edmund Barton,
 K.C., G.C.M.G.
 Miss Dorothea Beale.
 Rt. Hon. Sir Robert Bond,
 K.C.M.G.
 John Cleland, M.D., D.Sc.,
 F.R.S.
 Samuel Dill, M.A., Hon. D.Litt.
 Henry Austin Dobson, Esq.
 James Alfred Ewing, M.A., B.Sc.,
 F.R.S., M.I.C.E.
 Rt. Hon. Lord Grenfell, G.C.B.,
 G.C.M.G.
 Lieut.-Col. The Rt. Hon. Sir
 Albert Henry Hime, R.E.,
 K.C.M.G.
 William James, M.D., Ph. et
 Litt.D., LL.D.
 Rt. Hon. Sir Wilfred Laurier,
 G.C.M.G.
 Sir William Macgregor, M.D.,
 K.C.M.G., C.B.
 Rt. Hon. Sir Joseph West Ridge-
 way, G.C.M.G., K.C.B.,
 K.C.S.I.
 Arthur William Rücker, M.A.,
 D.Sc., F.R.S.
 Jacob Gould Schurmann, M.A.,
 D.Sc.

Rt. Hon. Richard John Seddon.
 Sir Walter Joseph Sendall,
 G.C.M.G.
¹ Rt. Hon. Sir John Gordon
 Sprigg, K.C.M.G.
 Sir John Batty Tuke, M.P., M.D.,
 F.R.C.P.E., F.R.S.E.
¹ Moulavi Nuzeer Ahmed, Khan
 Bahadur of Delhi.

1903.

Hon. Sir Andrew Fraser,
 K.C.S.I.
 Arthur Gamgee, M.D., F.R.S.
 Sir John Jackson, F.R.S.E.
 Professor N. J. D. Kennedy, M.A.
 Professor Simon Somerville Laurie,
 LL.D.
¹ Hon. Sir Henry Normand Mac-
 Laurin.
 Benjamin Neaves Peach, F.R.S.
¹ Hon. Mr Justice Rampini.
 Miss Flora Clift Stevenson.
 J. Maitland Thomson.
 Sir John Usher of Norton and
 Wells, Bart.

1904.

Samuel Henry Butcher, Litt.D.,
 LL.D.
 Right Rev. John Dowden, D.D.
 Rev. Emeritus Professor Robert
 Flint, D.D., LL.D.
 The Hon. Sir Walter Francis
 Hely-Hutchinson, K.C.M.G.,
 G.C.M.G.
 Alexander Henry Macalister, LL.D.,
 D.C.L., F.R.S.
 John William Mackail, M.A.
 The Right Hon. John Morley,
 M.P., P.C., O.M., F.R.S.,
 LL.D., D.C.L.
 Rt. Hon. Andrew Graham Murray,
 P.C., K.C.
 Sir George Reid, LL.D., D.L.
 Hon. Hannis Taylor.
 Professor William Thomson, M.A.,
 B.Sc.

¹ Conferred *in absentia*.

1905.

Professor William Watson Cheyne,
C.B., F.R.C.S., F.R.S.
Sir Arthur Conan Doyle, M.D.
Sir Charles Eliot, C.B., K.C.M.G.
Professor George A. Gibson,
D.Sc.

John Hughlings Jackson, M.D.,
F.R.S.
The Honourable Lord Kincairney.
Augustus D. Waller, M.D.,
F.R.S.
Colonel Sir Frank E. Young-
husband, K.C.I.E.

22nd July 1905.

His Excellency M. Paul Cambon, G.C.V.O., D.C.L., the French
Ambassador.
Irving Howard Cameron, M.B., F.R.C.S. Eng. and Edin., Professor
of Surgery and Clinical Surgery, University of Toronto.
Dr Just Lucas-Championnière, F.R.C.S. Edin., Member of the Academy
of Medicine, Paris.
Francesco Durante, M.D., F.R.C.S. Eng. and Edin., Professor of
Surgery, and Director of the Surgical Clinique in the Royal
University of Rome.
Anton Freiherr von Eiselsberg, M.D., F.R.C.S. Edin., Professor of
Surgery, University of Vienna.
William Stewart Halsted, M.D., F.R.C.S. Eng. and Edin., Professor
of Surgery, Johns Hopkins University, Baltimore, U.S.A.
William Williams Keen, M.D., LL.D., F.R.C.S. Eng. and Edin.,
Professor of the Principles of Surgery and of Clinical Surgery,
Jefferson Medical College, Philadelphia, U.S.A.
Karl Gustav Lennander, M.D., F.R.C.S. Eng. and Edin., Professor
of Surgery, University of Upsala.
Sylvester Saxtorph, M.D., F.R.C.S. Edin., Professor of Clinical
Surgery, University of Copenhagen.
Frank J. Shepherd, M.D., F.R.C.S. Edin., Professor of Anatomy, and
Lecturer in Operative Surgery, M'Gill University, Montreal.

28th July 1905.

J. Horace Round, M.A.

12th April 1906.

His Grace the Duke of Bedford, K.G.
Alexander Graham Bell, M.D., LL.D., Washington, U.S.A.
H. E. Wirklicher Geheimer Rath Dr E. von Bergmann, Berlin.
David Christison, Esq., M.D.
Alexander Taylor Innes, Esq., M.A.
Miss Louisa Stevenson.
Professor G. D. Thane, M.R.C.S., F.Z.S., University College,
London.
Professor W. C. Unwin, F.R.S., M.Inst.C.E., London.
H. E. Professor Augusto Pierantoni, D.C.L., Rome (*in absentia*).

Bursaries, Scholarships and Prizes, &c., in the Faculty of Law.

I.—BURSARIES.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patron.
I.	1873	The Grierson Trustees.	3	1	About £26 13 4	Senatus.
II.	1873	Geo. Cairns, Solicitor.	1	1	About 18 11 6	Senatus.
III.	1878	Dr Andrew Thomson.	4	4	76 10 0	Trus. of Dr Thomson.

I. There are three Grierson Bursaries, each of the value of £26, 13s. 4d. annually. Deserving students from the parishes of Crawford or Leadhills, applying to the Clerk of Senatus on or before the 1st day of September, are entitled to preference, if they satisfy certain conditions;¹ and if the applicant is commencing his first Winter Session of the Law Curriculum he will be entitled to hold the Bursary for three years, provided "he prosecutes his studies with proper diligence."¹ The subjects of examination are Elementary Latin, English, and Arithmetic. See Outline of Subjects, pages 118-120, and Time-Table of Examinations, page 136.

Failing preferential candidates, the Bursaries will be tenable for one year only, and will be awarded to candidates who have attended one year in the Faculty of Arts in some University. 1. In the case of those commencing their first Winter Session in Law, the award will be to the candidate who has passed highest in Latin and Moral Philosophy at the Arts Graduation examination in October. 2. In the case of candidates commencing their second Winter Session—to the most distinguished law-student of that standing, who, if not a Graduate in Arts, has passed satisfactorily in Latin and Moral Philosophy at the Arts Examination, either in October or earlier. 3. In the case of candidates commencing the third Winter Session of the Law Curriculum—to the most distinguished law-student of that standing who, if not a graduate in Arts, has passed satisfactorily in Latin, Moral Philosophy, and Logic at the Arts Examination in October or earlier.

¹ See CALENDAR 1877-78, p. 370. By "proper diligence" is understood regular attendance on Classes, and reasonable proficiency in Class Examinations.

See Regulations, CALENDAR 1877-78, p. 370. *Bursars 1904*—First year, *G. W. Jones, M.A., B.Sc.* Second year, *George Smith.* Third year, *James Marr, M.A.* Unclaimed First Year Bursary, *J. Taylor* and *J. McCaig*—equal.

II. The competition for the Cairns Bursary, which is tenable for one year only, and is not subject to any preferences, is subject to the same conditions as those for the second year Grierson Bursary. This Bursary is open to Students who have completed one year in the Law Faculty. *Bursar—1904, Archibald Hutcheon.*

III. Candidates must be Matriculated Students commencing their First Winter Session, and must intimate their intention to compete to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh, and also to the Clerk of the Senatus on or before 1st October. Candidates of the name of Thomson or Traquair, or natives of the town or county of Dumfries or the city of Edinburgh, are preferred. The Examination is in Latin and Moral Philosophy, and is the same as the October Examinations in those subjects for M.A. See CALENDAR 1879-80, p. 345. *Bursar—1903, James Ian Macpherson.*

Bursaries in the Faculty of Arts, the holders of which may study in the Faculty of Law (see also under Faculty of Arts):—

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patron.
I.	1809	Dr Donald Grant, London.	4	4	£45 0 0	Dr Grant's Trustees.
II.	1846	John Jamieson, Edinburgh.	1	4	26 0 0	Principal and Two Professors.
III.	1871	The Sibbald Bursaries.	5	3	30 0 0	Trustees of Dr J. R. Sibbald.
IV.	1883	Wm. Renton, Edinburgh.	1	1	19 11 0	Professors of Mathematics, Natural Philosophy, Chemistry, and Political Economy.
V.	1886	R. Allan, Feuar, Kelso.	3	3	About 30 0 0	Trustees of R. Allan.
VI.	1889	Daniel MacLaurin, London.	1	4	76 10 0	Town Council.

II.—SCHOLARSHIPS.

Where the competition is open to Graduates, their standing will be computed from the date of the Graduation Ceremonial immediately following the completion of their Law Examinations.

Four Vans Dunlop Scholarships, each of about £100 per annum, tenable for three years, are connected with the Faculty of Law:—

Candidates are required to matriculate for the year in which the competition takes place, and must produce evidence that they are eligible.

I. *Vans Dunlop Scholarship in Commercial and Political Economy and Mercantile Law*, for which both Law and Arts Students are eligible. For Regulations, see under Scholarships in Faculty of Arts.

Next vacancy in October 1907.

II. *Vans Dunlop Scholarship in (1) the Law of Nature and Nations, (2) Civil Law, and (3) Constitutional Law and History.* The Regulations for competition are as follows :—

(a) The Competition is open to all Candidates who, within the three years immediately preceding the date of competition, shall have graduated in Law in this University, or shall have passed the Graduation Examination in the three subjects of examination for the Scholarship : provided they have obtained at the Graduation Examination an average of not less than 75 per cent. of marks in these three subjects.

(b) The Competition is by written Essays on branches of law to be announced at least one year before the date of competition. The precise subject of each of the essays will be set on the conclusion of the Graduation Examination in October.

(c) The Examiners are the Professors of the prescribed subjects, assisted by the additional Law Examiners.

Next vacancy in October 1908.

Each holder of the Scholarship will be required to deliver, to the satisfaction of the Faculty of Law, two courses of three lectures each on one of the subjects of examination for the Scholarship, viz., one course in the second, and the other in the third year of his tenure.

1903. *William Dunbar, M.A., LL.B.*

III. *Vans Dunlop Scholarship in Scots Law and Conveyancing.*

(a) The Competition is open to all Candidates who, within the three years immediately preceding the date of competition, have graduated in Law in this University, or have passed the Graduation Examination in Scots Law, Conveyancing, and Forensic Medicine, provided they have obtained at the Graduation Examination an average of not less than 75 per cent. of marks in these three subjects.

(b) The Competition is by written Essays on (1) The Civil Law of Scotland, (2) the Criminal Law of Scotland, and (3) Conveyancing, the particular branches of which will be announced at least one year before the competition. The precise subject of each essay will be set on the conclusion of the Graduation Examination in October.

(c) The Examiners are the Professors of the prescribed subjects, assisted by the additional Law Examiners.

Next vacancy in October 1908.

Each holder of the Scholarship will be required to deliver, to the satisfaction of the Faculty of Law, two courses of three lectures each

on one of the subjects of examination for the Scholarship, viz., one course in the second, and the other in the third year of his tenure.

1905. *R. W. Lyall Grant, M.A., LL.B.*

Prox. access. A. E. S. Thomson, M.A., LL.B.

IV. *Vans Dunlop Scholarship in History.* For Regulations, see under Scholarships in Faculty of Arts. Next vacancy in October 1907.

V. *The Lorimer Travelling Scholarship.*¹

The Lorimer Travelling Scholarship, of the annual value of about £44, tenable for two years, for the encouragement of the study of the "Law of Nature and Nations" in foreign Law Schools by Students and Graduates in the Faculty of Law, was founded by the Lorimer Memorial Committee and the Association for the better Endowment of the University. The Scholarship is open to Candidates who, during the two years immediately preceding that in which a scholar falls to be appointed, have completed the examinations for a Degree in Law in the University in the following subjects, namely—(1) The "Law of Nature and Nations" (including therein the Philosophy of Law); (2) The Civil Law; and (3) Either (a) Constitutional Law and History, or (b) Political Economy. The foreign Law School or Schools which the Scholar proposes to attend must be previously approved by the Faculty of Law. The Candidate who, in the opinion of the Faculty of Law, passes with most distinction in the examinations for Graduation in Law, in the subjects above set forth, during the two years immediately preceding the election, and who is willing to fulfil the conditions imposed by the Deed of Foundation, will be eligible, consideration being always given to his proficiency in the first of the above-named subjects, and to his knowledge of the modern language or languages spoken in the Law School or Schools where he proposes to study. For Deed of Foundation, see CALENDAR for 1892-93, p. 538. Next Vacancy in July 1906.

1906.

VI. *Gray Scholarship for Research.*—See under Faculty of Arts.

VII. *Thow Scholarships.*

These Scholarships, three in number, of the annual value of about £25 each, were founded by the Trustees of the late Miss Christiana Thow of Craigmore, West Ferry, near Dundee, according to the desire of Miss Christiana Thow and her Sister, Miss Margaret Thow, and out of respect to the memory of their Brothers.

The following are the Rules and Regulations applicable to the said Scholarships:—(1) The Scholarships shall be distributed annually, one to the most distinguished student for the Winter Session in the Class of Scots Law at the University of Edinburgh; another to the most distinguished for the Winter Session in the Class of Conveyancing at

¹ These Regulations may be altered before the date of next competition.

the said University; and the third to the most distinguished student for the Winter Session in any two of the following Classes at the said University, viz.:—Public Law, Civil Law, and Constitutional Law and History. (2) Each of the Scholarships shall be tenable only for one year by the student in the subject for which it has been bestowed upon him, but the same student may competently obtain one of the Scholarships set apart for the other subjects in a succeeding session, provided he has the necessary qualification. (3) No Student can hold two of these Scholarships for the same year, although he may have satisfied the conditions in other respects. In the event of any Student being first as regards two of the Scholarships, the Faculty of Law shall determine which Scholarship shall be awarded to him, and which shall be taken by the next most distinguished student. (4) There shall be no restriction as to holding one of these Scholarships along with another Scholarship or Bursary from another source.

1906.

(Scots Law).
(Conveyancing).
{ (Public Law).
{ (Civil Law).

III.—FUNDS FOR SPECIAL STUDY OR RESEARCH.

1. *The William Dickson Travelling Fund.*¹
2. *The Earl of Moray Bequest for the Promotion of Original Research.*
3. *Carnegie Trust.*

IV.—PRIZES.

I. The *Forensic Prize*, of the value of £10, founded in 1858 by the Forensic Society with the view of encouraging the study of Roman Law, is awarded annually either in July or in October, for the best Essay upon a subject prescribed by the Professor of Civil Law, or, as the result of a Special Examination, as may be found convenient. The subject of the Essay, or the date of the Examination, as the case may be, is announced by the Professor early in the session. It can be competed for only by Students of the Civil Law Class during the preceding year.

1906. *J. J. Macpherson, M.A.*

II. The *Muirhead Prize*, of about £16 annually, is awarded to the Student who gains the first place in the Class of Civil Law, as determined by the results of the periodical examinations during both the Winter and Summer Sessions.

1906. *Archd. Hutcheon,* } equal.
William Lowson, }

III. The *Gladstone Memorial Prize*, No. VII., page 197.

¹ See under Faculty of Arts.

SCHOLARSHIP, BURSARIES, AND UNIVERSITY PRIZES,
OPEN FOR COMPETITION IN THE FACULTY OF LAW DURING
THE ACADEMIC YEAR COMMENCING 1ST OCTOBER 1906.¹

I.—SCHOLARSHIP.

Where the competition is open to Graduates, their standing will be computed from the date of the Graduation Ceremonial immediately following the completion of their Law Examinations.

*Vans Dunlop Scholarship in History.*²

II.—FUNDS FOR SPECIAL STUDY OR RESEARCH.

1. *The Willam Dickson Travelling Fund.*²
2. *The Earl of Moray Bequest for the Promotion of Original Research.*²

III.—BURSARIES.

The subjects of examination for first-year Bursaries are Latin and Moral Philosophy, and are the same as the October Examinations in these subjects for M.A. Candidates are required to enter their names at the *Matriculation Office* on or before 22nd September. Candidates for the second and third year Grierson Bursaries must apply on or before 15th October, and must state what distinctions they have attained in the Law Classes of the previous year.

- 1, 2, 3. *Three Grierson Bursaries*, No. I., page 393.
4. *The Cairns Bursary*, No. II., page 394.
5. *Two Sibbald Bursary*, Nos. 4, 5, page 220.
6. *Thomson Bursary*, No. 8, page 220.
7. *Renton Bursary*, No. I., page 226.

IV.—PRIZES.

- 1-3. *Three Thow Scholarships or Prizes*, No. VII., page 396.
4. *Forensic Prize*, No. I., page 397.
5. *Muirhead Prize*, No. II., page 397.
6. *Gray Prizes*, No. III., page 196.
7. *Gladstone Memorial Prize*, No. VII., page 197.
8. *Lord Rector's Prize*. See under Faculty of Arts.

¹ The values of the Scholarships, Bursaries, and Prizes are subject to variation consequent on the rise or fall of the rate of interest, etc. For further information and for information regarding other Scholarships, Bursaries and Prizes, etc., see page 180.

² See under Faculty of Arts.

The attention of all Bursars in the Faculty of Law is particularly called to the following Regulation :—

Bursars connected with the Faculty of Law must annually attend and perform the work of at least one Class in the Faculty.

Each Scholar, Bursar, or Prizeman, when he applies to the Factor for a payment, must produce a Certificate, signed by the Dean or the Professor to whose department the Foundation is attached, attesting his regular attendance on the proper Classes, or otherwise that he has fulfilled the conditions attached to the Foundation.

Certificates, in terms of this regulation, will be given to Bursars by the *Dean of the Faculty of Law* after the 15th November ; also at the end of the Session in March. In applying to the Dean for the Certificate in November, Bursars must present to him their Class Cards for the Session, as evidence that they have enrolled in their classes ; and at the end of the Session they must present to him certificates from the Professors to the effect that they have attended with regularity and have performed the work of the Classes. Payments are made by the Factor for the University, Sir Henry Cook, W.S., 61 North Castle Street, Edinburgh, on and after 15th November for the Martinmas payments, and on and after 18th May for the Whitsunday payments,—between 10 and 3 o'clock.

N.B.—Bursars and Scholars who desire to resign should at once announce this to the Factor. They must apply to the Factor for the instalments due to them within three months after they have become payable, otherwise they will be regarded as having resigned.

L. J. GRANT, BART., B.A., LL.D.,
Dean of the Faculty of Law.

Faculty of Medicine.

Dean—Prof. D. J. CUNNINGHAM, M.D., D.Sc., D.C.L., LL.D., etc.

Students who do not intend to graduate in Medicine in this University may attend any of the Classes in the Faculty on payment of the Matriculation and Class Fees. Those who intend to graduate must pass the Preliminary Examination before attendance on any Class will qualify for Graduation. Women are now admitted to Graduation.

The Classes in the Faculty will be opened on Tuesday, 16th October, and will meet daily (Saturdays excepted), unless otherwise stated.

The Class Fees are collected by the Factor. For the purpose of receiving Fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and Fees not then paid will be taken at his office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of the Collector of Class Fees, Edinburgh University.

For payment of Class Fees by the Carnegie Trust, see page 164.

Programme of Classes.

WINTER SESSION, 1906-1907.

Classes.	Days of Opening and Hours of Lectures.	Professors.	Class Fees. ¹
Surgery	16 Oct., 9 o'cl.	Prof. Chiene, C.B	£4 4
Materia Medica	16 Oct., 2 ,,	Prof. Sir Thomas	{ 4 4
Pract. Mat. Medica, } includ. Pharmacy }	17 Oct., 3 ,,	R. Fraser and Assistants	{ 3 3
Physiology	16 Oct., 10 ,,		{ 4 4
Pract. Physiology:—			
Experimental.....	16 Oct., 11 ,,	Prof. Schäfer	{ 2 2 ⁴
Chemical	9 Jan., 11 ,,	and Assistants	{ 1 1 ⁴
Adv. Pract. Physiol. (Experi. & Chem.)			{ 3 3 ⁴
Chemistry	16 Oct., 10 ,,	Prof. Crum Brown	4 4
Practical Chemistry ³ ..		Prof. Crum Brown and Lecturers...	{ 3 3
Midwifery	16 Oct., 2 ,,	{ Prof. Sir Halli- day Croom....	{ 4 4
Advanced Botany	16 Oct., 11 ,,		{ 3 3 ²
Prac. Bot.(Advanced)	16 Oct., 11 ,,	Prof. Balfour.....	{ 2 2 ²
Pathology	16 Oct., 9 ,,	Prof. Greenfield }	4 4
Practical Pathology...	16 Oct., daily }	and Assistants }	3 3

¹ Fees for initial payments, for half-courses, and for second and subsequent attendances, see page 406.

² Besides Garden Fee of 5s.

³ The Class of Practical Chemistry meets throughout the greater part of the Session in three Sections, A, 9-10 A.M. daily, except Wednesdays; B and C, 11-12.45, B on Mondays and Thursdays, C on Tuesdays and Fridays. Further particulars will be given in Bills on Notice Boards.

⁴ Besides a small charge for materials.

Programme of Classes.

401

WINTER SESSION, 1906-1907—*continued.*

Classes.	Days of Opening and Hours of Lectures.	Professors.	Class Fees. ¹
Clinical Instruction in the Royal Infirmary ⁴	Surgery, 11 <i>daily</i> Medicine, 12 ,,	{ The Clinical Professors & Lecturers.... }	Hospital Ticket. ³
Clinical Surgery ^{4 9} — Royal Infirmary, <i>Mon. & Thurs.</i>	18 Oct., 12 ,,	{ Prof. Annandale & Prof. Chiene (Lecturer)..... }	£4 4
Clinical Medicine ⁴ — Royal Infirmary, <i>Tues. & Fri. ...</i>	16 Oct., 12-1 o'clock	{ Profs. Sir T. R. Fraser, Greenfield & Wyllie; and A. H. F. Barbour, M.A., M.D., on Diseases of Women }	4 4
Zoology ²	16 Oct. 12 o'clock	{ Prof. Ewart. ... }	4 4
Do. (Practical) ²	8 Jan., 12 ,,	{ Prof. Ewart. ... }	2 2 ⁶
Do. (Advanced) ² ...	16 Oct., 1.30,,	{ Prof. Ewart. ... }	3 3 ⁶
Anatomy	16 Oct., 1 ,,	{ Prof. Cunningham..... }	4 4
Practical Anatomy ...	2 Oct., <i>daily</i>	{ Prof. Cunningham..... }	3 3
Medicine	16 Oct., 10 o'clock	{ Prof. Wyllie..... }	4 4
Public Health and Sanitary Science, Advd. Course....	9 Jan., 3 ,,	{ Prof. Hunter Stewart..... }	4 4
Do., Laboratory ⁸ ...	16 Oct., <i>daily.</i>	{ Prof. Hunter Stewart..... }	...
Systematic Gynecology ¹⁰	10 Dec., 2 o'clock	{ A. H. Freeland Barbour, M.A., M.D. }	
Cl. Instruct. on Dis. of Children at Rl. Hosp. for Sick Children ⁵ ... (<i>Daily</i>)	17 Oct., & 16 Jan., 11 o'clock	{ T. M. Burn-Murdoch, M.B., and Staff of the Rl. Hosp. for Sick Children	2 2 ⁷
Vertebrate Morphology (with Laboratory Work).....	8 Jan., 12 o'clock	{ John Beard, D.Sc. }	3 3 ⁶

¹ Fees for initial payments, for half-courses, and for second and subsequent attendances, see p. 406.

² Three Months' Course.

³ For Fees, see page 406.

⁴ Only open to Students holding the Hospital Ticket.

⁵ Two courses, each qualifying. Open only to Students holding the Hospital Ticket. See page 406.

⁶ Besides charge of 10s. for Laboratory Expenses.

⁷ Five Shillings University Entrance-Fee for Non-Matriculated Students. See page 32.

⁸ For Fees, see footnote, page 408.

⁹ May be taken in courses of three months.

¹⁰ Twenty Lectures—part of the Course of Midwifery, and free to members of that Class.

WINTER SESSION, 1906-1907—continued.

Classes.	Days of Opening and Hours of Lectures.	Lecturers.	Class Fees. ¹
Comparative Embryology	16 Oct., 10 ¹ cl. }	John Beard, D.Sc. }	£3 3 ³
Physics ²	16 Oct., 3 ,, }	C. G. Knott, D.Sc. }	3 3
Regional Anatomy (Anatomical Demonstrations)	17 Oct., 9 ,, }	David Waterston, M.D. }	2 2 ⁴
Applied Anatomy (Medical and Surgical) (<i>Mon., Wed., Fr.</i>)	9 Jan., 4 ,, }	Harold J. Stiles, M.B., C.M. }	1 1
Diseases of the Eye—Systematic (<i>Mo. & Fr.</i>)	19 Oct., 5 ,, }	George Mackay, M.D. }	2 2 ^{3 5}
Do. Clinical—Rl. Inf. (<i>Tu., Th. & Sat.</i>)	18 Oct., 11 ,, }		
Diseases of the Larynx, Ear & Nose (<i>Mon., Th.</i>)	18 Oct., 11 ,, }	R. M'Kenzie Johnston, M.D. }	2 2
Pathol. Bacteriology	16 Oct., 3 ,, }	J. Martin Beattie, M.A., M.D. }	3 3 ³
Diseases of Tropical Climates ⁷	17 Oct., 3 ,, }	Andrew Davidson, M.D. }	2 2 ³
Med. Entomology and Protozoology	23 Oct., 9-11 ,, }	J. H. Ashworth, D.Sc. }	1 1
Tropical Hygiene....	16 Oct. . . }	Prof. Hunter Stewart & J. B. Young, M.B., D.Sc. (P.H.) ... }	3 3
Clinical Instruct. on Diseases of the Skin ^{5 6}	17 Oct., 11 ,, } 18 Jan., 11 ,, }	W. Allan Jamieson, M.D. }	2 2
Infective Fevers	16 Oct., 4 ,, }	J. O. Affleck, M.D. } Claude B. Ker, M.D. }	...
Practical Anæsthetics ⁸	25 Oct. }	T. D. Luke, M.B. }	...
Physiology of Reproduction ⁹	Mar. ,, }	Fr. H. A. Marshall, M.A., D.Sc. ¹⁰ .. }	...

¹ Fees for initial payments, for half-courses, and for second and subsequent attendances, see p. 406.

² Three Months' Course.

³ Five Shillings University Entrance-Fee for Non-Matriculated Students. See page 32. Two hours a day on Tuesday, Thursday, and Friday.

⁴ When taken along with Practical Anatomy, £1, 1s.

⁵ Only open to Students holding the Hospital Ticket.

⁶ Twice a week.

⁷ A separate Class will be arranged for women.

⁸ This Class is free to all University Students of Clinical Surgery, Surgery and Gynecology who are attending the Infirmary.

⁹ Open to all Matriculated Students of Medicine and Science.

¹⁰ Three or four Lectures, at times to be arranged.

SUMMER SESSION, 1907.

The Classes will be opened as follows, and will meet daily (Saturdays excepted), unless otherwise stated.

Classes.	Days of Opening and Hours of Lectures.	Professors.	Class Fees. ¹
Elementary Botany.....	1 May, 8 o'cl.	{ Prof. Bayley Balfour ... }	£4 4 ²
Practical Botany.....	1 May, 9 „		2 2 ²
Field Demonstrations on Saturdays.			
Operative Surgery and Surgical Appliances	} 9 April	Prof Chiene, C.B.	3 3
Forensic Medicine.....	1 May, 2 „	{ Prof. Harvey Littlejohn }	4 4
Public Health.....	{ 1 May, 9 „	{ Prof. Hunter Stewart..... }	2 2
Do., Lab. Courses ⁵ ...		{ Prof. Hunter Stewart & J. B. Young, M.B., D.Sc. (P. H.). }	3 3
Tropical Hygiene	} 1 May	{ Prof. Sir Thomas R. Fraser and Assistants.... }	3 3
Prac. Materia Medica (incl. Pharmacy).....	1 May, 8 & 2 „	{ Prof. Greenfield and Assistants. }	3 3
Practical Pathology	{ 1 May, 10, and other hours }	{ Prof. Sir Halliday Croom and A. H. F. Barbour, M.A., M.D. }	3 3
Obstetrical and Gynecol. Operations—(Tues. & Fri.)	1 May, 2 o'cl.	{ Prof. Schäfer and Assistants }	2 2
Pract. Physiol. (Histol.)	{ 1 May, 9-11 and 2-4 }	{ Prof. Annandale and Prof. Chiene (Lecturer) }	3 3
Zoology (Elementary)..	1 May, 12 o'cl. }	Prof. Ewart.....	4 4
Zoology (Elem. Prac.) ⁶	1 May, 10-12 „ }		2 2 ³
Natural Hist. Labor....	1 May, 2 „ }		6 6
Clinical Surgery, ⁴ Royal Infr. (Mon. & Thur.)	} 2 May, 12 „	{ Prof. Sir Thomas R. Fraser, Greenfield, and Wyllie; and A. H. F. Barbour, M.A., M.D., on Dis. of Women }	3 3
Clinical Medicine, ⁴ Royal Infirmary (Tues. & Fri.)	{ 3 May, 12 to 1.30 }		3 3

¹ Fees for initial payments, for half-courses, and for second and subsequent attendances, see page 406.

² Besides Garden Fee of 5s.

³ Besides charge of 10s. for Laboratory Expenses.

⁴ Only open to Students holding the Hospital Ticket.

⁵ For Fees, &c., see footnote, page 408.

⁶ On alternate days.

SUMMER SESSION, 1907—continued.

Classes.	Days of Opening and Hours of Lectures.	Professors.	Class Fees. ¹
Clinical Instruction in the Royal Infirmary. ⁴	} Surgery, 11 <i>daily</i> . Medicine, 12 ,,	{ The Clinical Professors & Lecturers.... }	Hospital Ticket. ²
Chemistry (Tut. Class).	1 May, 3 o'cl.	Dr Hugh Marshall	£2 2
Chemistry (Practical) ..	1 May, 2 ,, {	Prof. Crum Brown & Lecturers....	} 3 3
Anthropology— (<i>Mon., Wed., Fr.</i>)	} 3 May, 1 ,,	{ Prof. Cunning- ham	} 2 2 ⁶
Practical Anatomy.....	1 May, <i>daily</i> .	{ Prof. Cunning- ham and De- monstrators. Lecturers.	} 2 2
Physics	1 May, 12 o'cl.	C.G. Knott, D.Sc	3 3
Diseases of the Eye— Systematic (<i>Mon. & Frid.</i>)	3 May, 9 ,,	{ George Mackay, M.D.	} 2 2 ^{3 4}
Do. Clinical—Rl. Inf. (<i>Tu., Th. & Sat.</i>)	2 May, 11 ,,		
Cl. Instruct. on Dis. of Children, at Rl. Hosp. for Sick Children....	} 1 May, 10 ,, {	T. M. Burn- Murdoch, M.B. and staff of the R. Hosp. for Sick Children	} 2 2 ^{3 4}
Regional Anatomy (Anatomical Demon- strations) ⁵	} 2 May, 9 ,,	{ David Water- ston, M.D....	...
Diseases of the Larynx, Ear, and Nose (<i>Mon. & Thurs.</i>)....	} 2 May, 11 ,,	{ R. M'Kenzie Johnston, M.D.	2 2 ⁴
Mental Diseases, with Cl. Instruct. at Morn- ingside Asylum (<i>Mon. Wed. & Frid.</i>)	} 2 May, 3 ,,	{ Thos. S. Clous- ton, M.D.	} 2 2 ³

¹ Fees for initial payments, for half-courses, and for second and subsequent attendances, see page 406.

² For Fees, see page 406.

³ Five Shillings University Entrance-Fee for Non-Matriculated Students. See page 32.

⁴ Only open to Students holding the Hospital Ticket.

⁵ Free when taken along with Practical Anatomy.

⁶ When taken with Practical Anatomy, £1, 1s

SUMMER SESSION, 1907—*continued.*

Classes.	Days of Opening and Hours of Lectures.	Lecturers.	Class Fees. ¹
Diseases of Tropical Climates ⁸	} 1 May, 2 o'cl.	{ Andrew David- son, M.D.....	} 2 2 ²
Medical Entomology and Protozoology....		{ J. H. Ashworth, D.Sc.....	
Tropical Hygiene.....	} 1 May,	{ Prof. Hunter Stewart & J. B. Young, M.B., D.Sc. (P.H.).	} 3 3
Experimental Pharma- cology ³		{ 1 May, 3 ,,	
Diseases of the Skin ^{4 5}	2 May, 11 ,,	{ W. Allan Jamie- son, M.D.....	} 2 2
Infective Fevers.....	1 May, 4 ,,	{ J. O. Affleck, M.D.	
		{ Claude B. Ker, M.D.	
Practical Anæsthetics ⁶	9 May	{ Thos. D. Luke, M.B.....	...
Path. Bacteriology ³	1 May, 3 ,,	{ J. Martin Beattie, M.A., M.D....	} 3 3
Invertebrate Zoology...	} 1 May	{ J. H. Ashworth,	
Do., with Lab. Work)		{ D.Sc.	} 3 3 ⁷

¹ Fees for initial payments, for half courses, and for second and subsequent attendances, see page 406.

² Five Shillings University Entrance-Fee for Non-Matriculated Students. See page 32.

³ Two hours a day three times a week.

⁴ Twice a week.

⁵ Only open to Students holding the Hospital Ticket.

⁶ This Class is free to all University Students.

⁷ Besides charge of 10s. for Laboratory Expenses.

⁸ A separate Class will be arranged for women.

FEEs FOR SECOND AND SUBSEQUENT ATTENDANCES, &c.

Second attendances on £4, 4s. Courses, £3, 3s.; on £3, 3s. Courses, £2, 2s.; subsequent attendances free. Second attendances on £2, 2s. Courses, no reduction; third or subsequent attendances, £1, 1s. Second or subsequent attendances on Class of Diseases of Children, £1, 1s. Clinical Surgery: nine months' ticket, if taken primarily, £6, 6s. (perpetual ticket); three months' after a six months' Course, £3, 3s.; three months' primary entry, £3, 3s.; second three months, £2, 2s.; third three months, £2, 2s. Perpetual ticket for initial payment for any Course in the Faculty, £6, 6s. Practical Classes and Laboratories, no reduction.

OPPORTUNITIES FOR HOSPITAL PRACTICE.

Royal Infirmary, Edinburgh.—At 11 o'clock daily. 860 beds. Perpetual Ticket, in one payment, £12; Annual Ticket, £6, 6s.; Six Months, £4, 4s.; Three Months, £2, 2s. Separate payments, amounting to £12, 12s., entitle to a Perpetual Ticket.

Royal Edinburgh Hospital for Sick Children.—120 beds, of which 41 are reserved for Surgical Cases. Hospital Ticket for one year, £1, 1s., entitling Student to attend the General Practice of the Hospital, including the Out-Patient Department.

Edinburgh Royal Maternity and Simpson Memorial Hospital.—40 beds available for Clinical Instruction. The fees charged are:—For each Six External Cases, £1, 1s.; for three months' course of Internal Clinical Instruction, £1, 1s.

City Hospital, Colinton Mains.—For Fevers and Infectious Diseases. Total number of beds, 600. Fee for the course, £1, 1s.

Royal Edinburgh Asylum for the Insane.—500 beds, available for Clinical Instruction to members of the Class of Mental Diseases. The fee for the course is £2, 2s.

Total number of beds available for the Clinical Instruction of Students of the University, 2120.

MATRICULATION, &c. See pages 30-33.

CLASS SESSIONS.

There are Two Sessions in each year, viz. :—

I. The Winter Session which opens on Tuesday, 16th October, and closes on Friday, 22nd March. Practical Anatomy opens on Tuesday, 2nd October, and continues open till the end of the Winter Session.

The Classes will meet for the last time before the Christmas Vacation on Friday, 21st December 1906, and will reassemble on Tuesday, 8th January 1907.

II. The Summer Session, which opens on Wednesday, 1st May and closes on Wednesday, 17th July. Operative Surgery begins Tuesday, 9th April. The Practical Anatomy Rooms open on 1st May and remain open till the end of the Summer Session.

LABORATORIES, MUSEUMS, &c.

The University contains the following Laboratories and Museums, several of the latter belonging in part to the Professors of the respective subjects :—

I. LABORATORIES.

THE PHYSICAL LABORATORY,¹ established with the view of affording Students a practical knowledge of the construction and use of physical apparatus, and the mode of conducting experimental inquiries, is open daily during the Winter and Summer Sessions from 10 to 3, for Advanced Students 9.30 to 4.30, under the superintendence of the Professor. It is open (for Research Students only) on 2nd October and 1st May for the Winter and Summer Sessions respectively, and will continue open every lawful day during the year, holidays and the Autumn Vacation excepted.

THE ROYAL BOTANIC GARDEN LABORATORY, open daily for the practical study of plants and for research, under the superintendence of the Professor, assisted by A. W. Borthwick, D.Sc., and W. W. Smith, M.A.

PHYSIOLOGICAL LABORATORY, for the prosecution of Physiological Research, and for the study of Practical Physiology is open daily for workers all the year round, under the superintendence of the Professor, assisted by P. T. Herring, M.D.; Sutherland Simpson, M.D., D.Sc.; W. Cramer, Ph.D.; and Mr W. A. Jolly. No fees are charged to Research Students, but they are expected to defray the cost of their investigations. For other fees, see Practical Classes. In all the Practical Classes a small charge is made to cover cost of materials used.

PRACTICE OF PHYSIC LABORATORY, for the study of Medicine, and for research in connection with the Practice of Physic, open daily, under the superintendence of the Professor, assisted by James G. Cattanach, M.B., C.M.

¹ Fees—Three months' Course of two hours a day, £2, 2s.; whole Academic Year, two hours a day, £4, 4s.; whole Academic Year for hours during which the Laboratory is daily open, £6, 6s.

DISSECTING ROOMS, open daily under the superintendence of Professor Cunningham, assisted by David Waterston, M.A., M.D., C.M.; E. B. Jamieson, M.B., Ch.B.; L. Turton Price, M.B., Ch.B.; Wm. Gemmell, M.A., M.B., Ch.B.; J. M. Grahame, M.B., Ch.B.; and other assistants: open 2nd October and 1st May; and continue open till the end of the Winter and Summer Sessions respectively.

THE CHEMICAL LABORATORIES¹ (distinct from the Practical Chemistry Class Room), have accommodation for eighty Students. They contain the necessary equipment for a complete course of instruction in the various branches of chemical work and for research. The instruction given includes the Qualitative and Quantitative Analysis of Inorganic and Organic Substances, Chemical Preparations, Metallurgy and Assaying (in the Winter Session), Gas Analysis (in the Summer Session), Physico-Chemical Measurements, and Agricultural Chemistry. The training is suited not only for Students studying for Science and Arts Degrees or for the Examinations of the Institute of Chemistry, but also for persons desiring to qualify themselves as analysts, technical chemists, &c. The Chemistry Department will be closed on 16th March and 18th July for the Winter and Summer Sessions respectively.

The Laboratories are open from 9.30 to 4.30 daily during the Winter and Summer Sessions, and are under the charge of Professor Crum Brown, assisted by Leonard Dobbin, Ph.D.; Hugh Marshall, D.Sc., F.R.S.; W. W. Taylor, M.A., D.Sc.; J. P. Longstaff, B.Sc.; Thomas F. Cowie; and G. Norman Kemp. A member of the Staff is in attendance at the Laboratories daily from 10 A.M. till noon during the week preceding the opening of the Winter Session (but not on the Saturday), and Students who intend beginning their Laboratory work are requested to call and consult him regarding the arrangements.

OBSTETRICAL AND GYNECOLOGICAL LABORATORY, for research and study of practical work, under the superintendence of the Professor, assisted by G. F. Barbour Simpson, M.D.

TUTORIAL CLASS OF CLINICAL MEDICINE, in the Wards of the Royal Infirmary, by Edwin Bramwell, M.B., C.M.; and W. E. Carnegie Dickson, M.D., B.Sc.; and John Eason, M.D.; with B. P. Watson, M.D., for Diseases of Women; under the superintendence of the Clinical Professors.

NATURAL HISTORY LABORATORIES, for study of the structure and development of Invertebrate and Vertebrate forms, open daily on and after 2nd October and 1st May for the Winter and Summer Sessions respectively, under the superintendence of the Professor, assisted by

¹ Fees.—*Whole day*—Winter Session, £10, 10s.; or Oct.-Dec., or Jan.-March, or Summer Session. £5, 5s. *Half day*—Winter Session, £6, 6s.; Oct.-Dec., or Jan.-March, or Summer Session. £3, 3s. Preference will be given to Students in the above order.

J. Beard, D.Sc., Ph.D.; J. H. Ashworth, D.Sc.; and D. W. Henderson, M.A.¹

MATERIA MEDICA LABORATORIES, for the study of Practical Materia Medica and Practical Pharmacy, and for Pharmacological and Pharmaceutical research, open daily on and after 2nd October and 1st May for the Winter and Summer Sessions respectively, under the superintendence of the Professor, assisted by William C. Sillar, M.B., C.M., B.Sc., and Jas. A. Gunn, M.B., Ch.B., B.Sc. No fees are charged to those engaged in research, but they are expected to defray the expenses of materials.

TUTORIAL CLASSES OF CLINICAL SURGERY AND SURGICAL PATHOLOGY, in the Royal Infirmary, by W. J. Stuart, M.A., M.B., Ch.B., and the Resident Surgeons, under the superintendence of the Professor of Clinical Surgery; and instruction in anæsthetics by Thomas D. Luke, M.B., Ch.B.

TUTORIAL CLASS IN MIDWIFERY, by G. F. Barbour Simpson, M.D., under the superintendence of the Professor.

FORENSIC MEDICINE LABORATORY under the superintendence of the Professor, assisted by T. W. Drinkwater, Ph.D.

THE JOHN USHER INSTITUTE OF PUBLIC HEALTH.—The Students' Laboratories are open daily from 9.30 to 4.30 during the Winter and Summer Sessions under the direction of Professor Hunter Stewart assisted by J. Buchanan Young, M.B., D.Sc. (P.H.). The Laboratories are fully equipped for a complete course of instruction in bacteriological, chemical and meteorological work in relation to the prevention of disease. The training is suited not only for students preparing for the degree of B.Sc. in Public Health, but also for those preparing for Diplomas in Public Health granted by the different licensing boards.²

There are also several research rooms, for research in bacteriology and bacteriological chemistry under the direction of the Professor and his Assistants. The Laboratories open 16th October and 1st May for the Winter and Summer Sessions respectively.

SURGICAL LABORATORY, divided into two parts—(a) General Surgical Pathology, (b) Bacteriology,—is utilised for teaching Systematic Surgery, and every facility is afforded for investigation, under the superintendence of the Professor, assisted by George L. Chiene, M.B., C.M., and R. A. Chambers, M.B., Ch.B.

PATHOLOGICAL LABORATORY is open daily on and after 2nd October and 1st May for the Winter and Summer Sessions respectively, for the

¹ Fees—Winter Session, £10, 10s.; Summer Session £6, 6s.

² See footnote, page 408.

study of Pathological Anatomy and for Pathological Research, including Histological and Bacteriological Departments, under the superintendence of the Professor, assisted by James Martin Beattie, M.D., W. E. Carnegie Dickson, M.D., B.Sc., and Lindsay S. Milne, M.B., Ch.B. No fees are charged to those engaged in research, but they are expected to defray the expenses of materials.

THE ROYAL EDINBURGH ASYLUM is open to members of the Class of Mental Diseases for Practical Instruction, under the superintendence of the Physician-Superintendent.

PRACTICAL INSTRUCTION in the use of the Ophthalmoscope and in the detection of errors of refraction is given to members of the Class of Diseases of the Eye at the Eye Wards of the Royal Infirmary by J. V. Paterson, M.D., under the Superintendence of the Lecturer.

DISEASES OF THE LARYNX, EAR, AND NOSE.—Clinical Instruction to the class is given by Dr Mackenzie Johnston in the out-patient department, Royal Infirmary, on Tuesdays and Fridays at 11 o'clock. Tutorial Instruction in the Practical Methods of examining patients and in the use of instruments and appliances is given by J. D. Lithgow, M.B., C.M., at suitable hours.

DISEASES OF THE SKIN.—Tutorial Instruction in the Practical Methods of examining patients, of using the microscope in the diagnosis of cutaneous affections, in the employment of instruments and the application of remedies, is given at suitable hours, by Dr Norman Walker.

DISEASES OF CHILDREN.—Clinical Instruction in the wards, out-patient department, and *post-mortem* room at the Royal Hospital for Sick Children.

II. MUSEUMS. See pages 62-65.

Courses of Lectures, &c.

1906-1907.

I. BOTANY.

PROFESSOR BALFOUR.

Summer Session, 1907.

1. LECTURES.—The Course is a general one—Organographical, Physiological, and Taxonomic. Lectures are given every Monday, Tuesday, Wednesday, Thursday, and Friday.

2. PRACTICAL CLASS.—In this class opportunity is given for the examination of microscopic structure of plants, and for the study of life-histories of plants illustrating the lectures. It is conducted by the Professor and Assistants.

3. EXCURSIONS. — Excursions are made on Saturdays for the practical study of plants in the fields.

The Royal Botanic Garden, with the Botanical Museum and Herbarium, are open daily for the examination of living as well as preserved specimens of plants.

II. NATURAL HISTORY.

PROFESSOR EWART.

1. LECTURES ON ZOOLOGY.—*Summer Session.*—The course will treat of the Principles of Biology as illustrated by the Life-History, Morphology, and Physiology of one of the Vertebrata, the Distinctive Characters of the Chordata and the structure, habits, &c., of a series of vertebrate types will also be considered. The rest of the course will be chiefly devoted to: (1) Leading types of Invertebrates; (2) Structure and life-history of the more important animal parasites; and (3) Elements of Embryology, Classification, and Geographical Distribution of Animals.

Winter Session.—An Elementary Course, qualifying for the First Professional, will be given by the Professor, during the Summer Session 1907.

2. ELEMENTARY PRACTICAL ZOOLOGY.—*Winter and Summer Sessions.*—In these Classes Students have the opportunity of studying practically the more important types described in the Lectures, amongst others :—Amœba, Paramœcium, Hydra, Hirudo, Arenicola, Helix, Astacus, Raia, Rana, Columba, and Lepus.

3. ADVANCED COURSES.—These Courses are intended to assist students preparing for the Degree of B.Sc. in Zoology.

(1) The Intermediate Course will be given during the Summer Session by Dr J. H. Ashworth, University Lecturer in Invertebrate Zoology, and will be devoted to the Zoology of some portion of the Invertebrata. This class is prescribed for the Second B.Sc. Examination in Zoology and Comparative Anatomy.

(2) During the Winter Session an Advanced Course of Lectures and Laboratory work will be given by Dr Beard, University Lecturer on Vertebrate Zoology, on the Comparative Morphology of the Vertebrata. (See Faculty of Science.)

The Laboratory work will extend over the second half of the Winter Session and the Summer Session.

RESEARCH WORK.—The Laboratories are also available during both Sessions for research. For Regulations, see page 129.

COMPARATIVE EMBRYOLOGY.

VERTEBRATE MORPHOLOGY.

J. BEARD, D.SC.

For Synopses, see under Faculty of Science.

III. CHEMISTRY.

PROFESSOR CRUM BROWN, WITH DR DOBBIN, DR MARSHALL, AND DR TAYLOR, *Lecturers.*

1. LECTURES—In the Lectures the general laws of chemical action are explained and illustrated.

The chief non-metallic elements and their more important compounds are discussed in detail. The metals and the different

series of metallic salts are considered more generally, details being given in the case of the more important substances.

The principles upon which the classification of organic substances is based are explained, and the properties of the chief groups illustrated by means of examples.

For synopsis of other classes in Chemistry, and for Chemical Laboratory, see under Faculty of Science.

2. PRACTICAL CLASSES.—The work of these classes consists in the study of the preparation and reactions of the commoner salts, together with simple volumetric determinations.

Class-Book.—"Salts and their Reactions" (Thin).

Students who have worked at least three months in the Laboratory need not attend the class of Practical Chemistry before appearing for the First Professional Examination in Medicine.

3. SUMMER TUTORIAL CLASS.—This class is intended for Students who have already attended a course of lectures on Chemistry and propose to appear for examination in Chemistry for Medicine, Arts, or Science (First) at the end of the Summer Session.

IV. PHYSICS.

CARGILL G. KNOTT, D.SC., *Lecturer.*

The subjects embraced in the Course of Physics are :—

1. Properties of Matter—including Statics and Kinetics of Solid, Liquid, and Gaseous Bodies, Inertia, Gravitation, Molecular Forces, &c.

2. Sound, and Wave-propagation in general, Intensity, Pitch, and Quality of Musical Sounds, Harmonics, Concords, &c.

3. Heat, its Nature, Effects, Measurement, Transference, and Transformations—Measurement of Temperature and of Absolute Temperature ; Efficiency.

4. Light, Laws of Reflection and Refraction ; Production of Images in Mirrors, Lenses, and Microscopes ; Conditions of Distinct Vision ; Interference, Dispersion, Diffraction, Double Refraction, Polarization, Spectrum Analysis.

5. Electricity and Magnetism ; Capacity, Potential, Electromotive Force, Current, Resistance, Magnetic Field ; Thermo-Electricity ; Electrolysis ; Batteries, Galvanometers, Voltmeters, Induction Coils, Dynamos, &c.

Books of reference : Knott's *Physics* ; Daniell's *Physics for Medical Students* ; Watson's *Physics*.

V. ANATOMY.

PROFESSOR CUNNINGHAM, WITH MR HAROLD J. STILES, AND DR DAVID WATERSTON, *Lecturers*, AND DRS JAMIESON, TURTON PRICE, AND BROWN, *Assistants*.

Winter Courses.

I. LECTURES ON ANATOMY, at 1 P.M.—It is intended in this Course to bring before the Student, in a systematic manner, the structure of the Human Body. The different systems and organs will be described, and their development and growth explained. The Course includes, therefore, both General Anatomy and Descriptive Anatomy. The Lectures are illustrated by recent dissections, by wet and dry preparations, by a large collection of Osteological specimens, and by drawings, diagrams, and lantern projections. Structures too minute to be recognised by the naked eye are demonstrated under the Microscope.

To assist the Junior Members of the Lecture Class to acquire a knowledge of Osteology, &c., Tutorial Demonstrations on the Bones and Muscles will be given during the earlier months of the Session without additional fee. All the members of this class have access to a systematically arranged series of osteological specimens and of models. Written Examinations for both Junior and Senior Students are held periodically during the Session.

Text-Books.—"Text-Book of Anatomy," ed. by Cunningham ; Gray's "Anatomy" ; or Cleland and Mackay's "Anatomy" ; Quain's "Elements of Anatomy" ; Holden's "Osteology."

2. PRACTICAL ANATOMY, under the superintendence of the Professor, aided by the Demonstrators, David Waterston,

M.A., M.D., C.M.; E. B. Jamieson, M.B., Ch.B.; L. Turton Price, M.B., Ch.B.; Wm. Gemmill, M.A., M.B., Ch.B.; J. M. Graham, M.B., Ch.B., and by several other assistants. Examinations of both Junior and Senior Students on dissected parts are conducted by the Demonstrators and the Professor. Special tutorial Demonstrations will be given to Senior Students on the joints, brain, organs of special sense, and other viscera.

This Course will commence on 1st October. The Dissecting-rooms are open from 9 A.M. to 5 P.M., and on Saturdays from 9 A.M. to noon. The Mackenzie Bursaries are awarded to members of this Class for proficiency in dissection.

Text-Books.—"Demonstrations of Anatomy," by Ellis, or Heath's "Practical Anatomy," or Cunningham's "Manual of Practical Anatomy."

REGIONAL ANATOMY (ANATOMICAL DEMONSTRATIONS).

DAVID WATERSTON, M.D., *Lecturer.*

In this Course, which is conducted in the Theatre, the structure of the human body is displayed and demonstrated topographically, from the surface inwards.

This Class meets about ninety times, and non-competitive Written Examinations are held monthly during the Session.

CLASS OF APPLIED ANATOMY.

(MEDICAL AND SURGICAL.)

HAROLD J. STILES, M.B., C.M., *Lecturer.*

This Course is conducted in the Theatre by Mr Stiles in conjunction with the Professor of Anatomy. It will consist of the following :—

1. Demonstrations of Surface Anatomy on the living subject.
2. Demonstrations of those points in Anatomy which have a special bearing on practical Medicine and Surgery. (This part of the Course will be illustrated by dissections and also by lantern slides. The normal anatomy of the body as shown by X rays will likewise be exhibited.)
3. Lantern Demonstrations of those points in the structure of

the Brain and Cord which are specially required for the diagnosis of nervous lesions.

The entire Course will consist of not less than thirty demonstrations, and these will be given during January, February and March.

Summer Courses.

PRACTICAL ANATOMY.

PROFESSOR CUNNINGHAM.

This Course, beginning on 1st May, is the same as in Winter. The Rooms are open from 9 A.M. to 5 P.M.; on Saturdays from 9 A.M. to noon. Examinations are conducted on dissected parts by the Professor and by the Demonstrators, D. Waterston, M.A., M.D., C.M.; E. B. Jamieson, M.B., Ch.B.; L. Turton Price, M.B., Ch.B.; Wm. Gemmill, M.A., M.B., Ch.B.; J. M. Graham, M.B., Ch.B., and other assistants, and the joints, brain, and organs of sense will be specially demonstrated.

REGIONAL ANATOMY (ANATOMICAL DEMONSTRATIONS).

DAVID WATERSTON, M.D.,

Lecturer in the Department of Anatomy.

This Course, open without additional Fee to those engaged in Practical Anatomy in the Summer, will consist of demonstrations on some special departments of Anatomy.

VI. PHYSIOLOGY.

PROFESSOR SCHÄFER, WITH DRS HERRING, SUTHERLAND
SIMPSON, AND CRAMER, *Lecturers*,
AND MR W. A. JOLLY, *Assistant*.

SYSTEMATIC COURSE.

Course of about 100 Lectures and Demonstrations, held in Winter :—

The Courses in Physiology and Practical Physiology embrace the study of the minute Structure, Composition, and Functions of the Tissues and Organs of the Body.

Text-Books.—*Elementary.*—Howell's "Physiology," Starling's "Elements of Physiology," Schäfer's "Essentials of Histology"; or one of the following :—"Halliburton's Physiology," Stewart's "Physiology," Noël Paton's "Essentials of Physiology." *Advanced.*—Schäfer's "Advanced Text-Book of Physiology," Parts of "Quain's Anatomy."

COURSE OF PRACTICAL PHYSIOLOGY.

This Course is divided into three sections—

1. *Experimental Physiology*, in which every student performs the chief experiments illustrating the functions of muscle, nerve, the heart, &c., and records the results by graphic methods.

This Class is held in the Winter Session.

Text-Book.—Schäfer's "Directions for Class work in Practical Physiology."

2. *Practical Chemical Physiology*, in which every student performs the qualitative and quantitative analysis of the Urine in its normal and abnormal conditions, with special reference to clinical work, and such practical work relating to the Chemistry of Proteids and Carbohydrates, Blood, Milk, Bile, and Digestion, as is possible in a class.

This Class is held in the Winter Session.

Text-Book.—Milroy's "Practical Physiological Chemistry."

3. *Practical Histology*, in which every Student prepares, examines, and preserves for himself most of the tissues and organs of the body. Each student is provided with a microscope, and all reagents, but it is an advantage for a student to bring his own microscope, provided it is a sufficiently good one. The Professor or Assistants should be consulted as to the best kind of microscope to be obtained.

Text-Books.—Schäfer's "Course of Practical Histology," and "Essentials of Histology."

This Class is held in Summer.

Each meeting of the Class of Practical Physiology occupies two hours.

COURSE OF ADVANCED PRACTICAL PHYSIOLOGY.

PROFESSOR SCHÄFER, WITH DRS HERRING, SUTHERLAND
SIMPSON, AND CRAMER.

See Synopsis under Faculty of Science.

SHORT COURSE ON THE PHYSIOLOGY OF REPRODUCTION.

DR F. A. H. MARSHALL, *Lecturer.*

See Synopsis under Faculty of Science.

PHYSIOLOGICAL RESEARCH.

The Physiological Laboratory is open daily for the prosecution of Research. Application must be made to the Professor.

VII. MATERIA MEDICA.

PROFESSOR SIR THOMAS R. FRASER.

Materia Medica comprises the subjects of pharmacognosy, pharmacy, pharmacology, and therapeutics, diet, remedial uses of electricity and galvanism, heat and cold, climate, &c. Instruction in Materia Medica is given in (A) a course of 100 Lectures during the Winter Session, and in (B) Practical Classes during the Summer Session, and of equivalent duration during the Winter Session.

A.—LECTURES ON MATERIA MEDICA—This course includes the natural history, sensible and chemical properties, physiological action (or pharmacology), therapeutical uses, and modes of administering remedies, ordinarily so called. Such remedies consist of (*a*) inorganic substances; (*b*) chemical products; (*c*) vegetable substances; (*d*) animal substances. Although formerly comprised in the course of instruction in Materia Medica, the remedial uses of Diet, Electricity, Climate, &c., cannot now be taught with any advantage in this course, as, under the New Medical Ordinances, the study of Materia Medica is required to be completed before the student has entered upon the study of the diseases to which the above are applicable.

B.—PRACTICAL CLASSES.—*Practical* instruction is given in the following subjects, which cannot satisfactorily be taught in lectures:—1. Pharmacy, or the processes for obtaining the pharmaceutical preparations of drugs. 2. Prescription-writing. 3. Dispensing, or the making up of medicines in forms suitable for administration in disease. 4. Incompatibility.

It is recommended that the Practical Class be attended before the lectures on *Materia Medica*. Practical classes are taught in the Summer Session daily, at such hours as are found most convenient. A winter class will also be formed in October.

RESEARCH LABORATORIES.

The above laboratories will be open daily for research on the pharmacological action and chemical composition of medicinal substances, under the superintendence of the Professor and his assistants. Application to be made to the Professor.

EXPERIMENTAL PHARMACOLOGY.

W. C. SILLAR, M.B., C.M., B.SC., *Lecturer.*

This course, having an important bearing on the use of remedies in disease, consists of (1) practical instruction in the methods employed in pharmacological research and (2) the experimental study of the pharmacological action of a number of typical medicinal substances.

The Course is adapted for students who desire a practical knowledge of pharmacology, and who have attended the Class of *Materia Medica*.

Previous attendance at the Class of Advanced Practical Physiology is strongly recommended.

The Course will commence in May.

VIII. PATHOLOGY AND MORBID ANATOMY.

PROFESSOR GREENFIELD.

This Course includes General Pathology, General Pathological Anatomy and Histology, and Systematic Morbid Anatomy:—

The first half of the Course is chiefly occupied with General Pathology and General Pathological Anatomy. Under this are included the Derangements of Nutrition, Inflammation, Repair, Morbid Growths, &c. The causes of disease, and their mode of action, with special reference to Parasitic and Infective Diseases, including (a) The Bacteriology and Morbid Anatomy of the more important Infective Diseases, and the subject of Immunity; (b) The Life History, Characters, &c., of the principal Animal Parasites.

In the second half of the course the Morbid Anatomy and Histology of the various systems and organs of the body are systematically studied.

There are frequent naked eye, microscopic, and lantern demonstrations in illustration of the lectures.

Text-Books.—Greenfield and Lyon, "Chapters in Pathology"; Muir and Ritchie, "Pathological Bacteriology"; Manson, "Tropical Diseases."

PRACTICAL PATHOLOGY.

Classes for Practical Instruction in MORBID ANATOMY and PATHOLOGICAL HISTOLOGY are conducted in the Pathological Laboratory—microscopes and other necessary apparatus being supplied. The Course consists of—1st. Naked Eye Demonstrations; 2nd. Histological investigation and preparation of Morbid Structures and Organs; 3rd. Elementary Bacteriology.

In Winter the class meets five times a week, from the beginning of the Session till the end of January; in Summer, five times a week, from the beginning of May till the end of the Session.

The Laboratory is also open daily from 10 A.M. till 4 P.M. for Pathological Research, under the Professor and his Assistants.

PRACTICAL BACTERIOLOGY.

J. MARTIN BEATTIE, M.D., *Lecturer.*

Laboratory Courses, each of three months' duration, are held during the Winter and Summer Sessions. For details, see page 431 (under Tropical Dis. instructions).

IX. PRACTICE OF MEDICINE.

PROFESSOR WYLLIE.

The Course of Instruction comprises Lectures on the ætiology, morbid anatomy, clinical history, diagnosis, prognosis, and treatment of—

I. General diseases.

II. The diseases of the different systems and organs of the body.

It is intended that each Course shall be, as far as possible, a complete review of the present aspects of the Principles and Practice of Medicine.

The Course is illustrated by specimens of morbid anatomy and by numerous drawings, diagrams, and charts from the Anatomical Museum, and from the Professor's private collection.

TUTORIAL CLASS.

Practical instruction in connection with the Course is given to the members of the Class by the Assistant.

Text-Books.—Fagge's, Roberts's, Bristowe's, Osler's, or Frederick Taylor's "Practice of Medicine."

MENTAL DISEASES.

THOMAS S. CLOUSTON, M.D., *Lecturer.*

This Course consists of—

1. Systematic Lectures in the University during the Summer Session on the Classification, Symptoms, Causes, and Treatment of Mental Diseases.

2. Clinical instruction at the Royal Asylum, Morningside (West House), in all the forms of Mental Disease. Students have the opportunity of personally coming in contact with and examining the cases, so as to learn the modes of managing and dealing with patients labouring under Mental Disease, and they are exercised in the diagnosis of Insanity and the drawing up of certificates; the aim being to enable them to recognise its early

stages, to distinguish its varieties, to adopt suitable treatment, and to advise the relatives as to sending the patient to an asylum. There is a clinical field of 500 beds, comprising all the wards except those for private patients. This part of the course extends through the Summer and the last month of the Winter Session.

3. Pathological demonstrations, naked eye, lantern, and microscopic, in the University and at the Royal Asylum, Morningside, of the Morbid Anatomy of Insanity.

4. Instruction in regard to the medico-legal, hereditary, educational, and social relations of Mental Disease, and on its bearings and significance in ordinary medical practice.

There are Free Clinical Clerkships, tenable for three months, in the Royal Edinburgh Asylum, and in several other Asylums, in connection with the class.

Text-Books.—Dr Clouston's "Clinical Lectures on Mental Diseases," 6th edition, Macpherson's "Mental Afflictions," Ford Robertson's "Text Book of Pathology, in relation to Mental Diseases."

X. SURGERY.

PROFESSOR CHIENE, C.B.

Winter Session.

1. *Lectures.* This Course is devoted to a systematic consideration of the Principles and Practice of Surgery. Each course is intended to embrace, as far as possible, a complete view of the present aspects of the Science and Practice of Surgery.

Written examinations are held at stated periods, and at the end of the Session a practical examination is held on the work of the Tutorial Classes.

2. *Tutorial Instruction*, at hours most convenient for the students, includes—

(a) *Practical Instruction in Bandaging and the Treatment of Fractures and Dislocations* on the living subject. This class is divided into sections for Senior and Junior Students.

(b) Special Demonstrations to Senior Students on

(1) Surgical Anatomy.

(2) Surgical Pathology.

These Demonstrations are illustrated by museum specimens and lantern slides.

Summer Session.

The Summer Session is devoted to the Practical Aspects of Surgery. Special attention is given to Surgical Anatomy and Operative Surgery. Oral examinations and tutorial instruction in the Treatment of Fractures and Dislocations, and in the uses of Surgical Instruments, form a special part of the course. Special demonstrations are given on Surgical Anatomy and Surgical Pathology.

The Surgical Laboratory for (1) Surgical Pathology; and (2) Bacteriology, is open daily for original work during the Winter and Summer Sessions, under superintendence of the Professor, assisted by George L. Chiene, M.B., C.M., F.R.C.S.E., and R. A. Chambers, M.B., Ch.B. Applications to be made to the Professor.

Text-Books—Winter Session.—The Professor's "Lectures on the First Principles of Surgery"; Keen and White's Text-Book of Surgery; Da Costa's "Manual of Modern Surgery"; Thomson and Miles' "Manual of Surgery." *Summer Session.*—The Professor's "Lectures on Surgical Anatomy," and Joseph Bell's "Manual of Surgical Operations," 1892; Kocher's Operative Surgery (translated by H. J. Stiles).

DISEASES OF THE EYE.

GEORGE MACKAY, M.D., *Lecturer.*

The Course will consist of at least twelve systematic lectures, and of twelve or more clinical lectures at the Royal Infirmary.

In addition there will be meetings for individual clinical instruction, including Refraction and Ophthalmoscopy.

Text-Books.—Berry's "Practical Ophthalmology," Swanzy's "Handbook on Diseases of the Eye," Nettleship on "Diseases of the Eye," Fuchs' "Text-Book of Ophthalmology."

DISEASES OF THE LARYNX, EAR, AND NOSE.

R. M'KENZIE JOHNSTON, M.D., C.M., *Lecturer.*

A Summer Course of Instruction given in the Royal Infirmary consists of not less than eighteen lectures, partly systematic and partly clinical. These are delivered on Mondays and Thursdays, at 11 o'clock A.M.

A similar Course will be given, commencing in October.

A concise account of the more common diseases of the Ear, Nose, and Throat, and their treatment, is given in the systematic lectures.

In the clinical lectures, patients are brought before the class and their condition is examined into and discussed, and, where possible, operative treatment is carried out. Methods of examination, instruments and appliances used in diagnosis and treatment are demonstrated.

Members of the class may attend the out-patient clinics of the Department on Tuesdays and Fridays at eleven o'clock, and operations in the Wards.

Tutorial instruction in the practical methods of examining patients, and in the use of instruments and appliances, is given by J. D. Lithgow, M.B., F.R.C.S.E., at suitable hours in connection with the lectures.

XI. MIDWIFERY.

PROFESSOR SIR HALLIDAY CROOM.

The Course of Instruction comprises Lectures on—

I. Anatomy and Physiology of the Female Organs of Reproduction.

II. Physiology, Pathology, and Therapeutics of Pregnancy.

III. Parturition—Natural (Eutocia), and Morbid (Dystocia).

IV. Hygiene, Pathology, and Therapeutics of the Puerperal State.

V. Hygiene, Pathology, and Therapeutics of Infancy.

CLINICAL INSTRUCTION.

Midwifery may be studied clinically in the Royal Maternity Hospital, of which the Professor is, *ex officio*, one of the Medical Officers, and where he attends during the first three months of the Winter Session.

TUTORIAL CLASSES.

After the Class-roll is made up, Tutorial classes are formed for Practical Instruction in the use of Obstetric and Gynecological Instruments and Appliances.

Summer Session.

A Course of Instruction, conducted conjointly by the Professor of Midwifery and the Lecturer on Systematic and Clinical Gynecology, in Obstetrical and Gynecological Operations, with Demonstrations of the use of Instruments and Appliances, is given in the Summer Session, at 10 A.M.

Text-Books. — Edgar's, Webster's, Whittridge Williams' or Playfair's "Midwifery." Professor Simpson's "Contributions to Obstetrics and Gynecology." Ballantyne's "Diseases of Infancy."

GYNECOLOGY.

A. H. F. BARBOUR, M.A., M.D., *Lecturer on Systematic and Clinical Gynecology.*

1. *Systematic.*—Twenty systematic lectures on the Diseases of Women will be delivered during the Winter Session, in connection with the University Class of Midwifery.

2. *Clinical.*—(a) Clinical lectures will be delivered in connection with the University Class of Clinical Medicine; (b) limited clinics for practical instruction in Diseases of Women will be conducted daily in the Royal Infirmary.

Text-Books.—Hart and Barbour's "Manual of Gynecology," Kerry's "Operative Gynecology."

XII. FORENSIC MEDICINE.

PROFESSOR HARVEY LITTLEJOHN.

This Course will embrace, so far as possible, the following subjects :—

Legal responsibilities and duties of medical men ; methods of judicial investigation ; procedure in Courts of Justice ; medical evidence—oral and documentary.

Death in its medico-legal relations ; certification of death ; the signs of death and post-mortem changes ; the medico-legal examination of the dead body.

Modes of death.

Sudden death : its causation and medico-legal importance.

Identity of the living and of the dead.

Death from violence and unnatural causes.

Suicide.

Death from wounds and the consideration of various questions connected with mechanical violence.

Death from asphyxia ; drowning ; hanging ; strangulation ; suffocation.

Death from burning ; firearms and explosives ; starvation ; extremes of temperature ; lightning and electric shock.

Medico-legal relations of pregnancy and delivery.

Criminal abortion.

Infanticide.

Criminal assaults on females ; rape.

The examination of blood and seminal stains.

Insanity in its medico-legal relations ; criminal responsibility ; lunacy certificates ; testamentary capacity.

Toxicology ; consideration of the general evidences of poisoning and of the poisons most frequently met with in practice, together with the symptoms and morbid appearances produced, the means of detection, and the treatment of poisoning.

These lectures will be supplemented by practical demonstrations embracing the examination of the dead body ; museum

specimens ; blood and seminal stains ; hair and fibres, and the tests for poisons.

Every facility will be afforded to those who wish to obtain practical insight into any branch of the subject or to undertake research work.

Text-Books. — Taylor's "Medical Jurisprudence," Guy's "Principles of Forensic Medicine."

XIII. PUBLIC HEALTH.

PROFESSOR HUNTER STEWART.

The Course consists of Lectures and Demonstrations, and embraces the following :—

1. General consideration of pathogenic and non-pathogenic micro-organisms—Their nutrition—The effects of heat, light, and chemical substances—Toxins and anti-toxins—Immunity.

2. *Air, Climate and Soil.*—Variations in the chemical and bacteriological constituents and meteorological condition of the atmosphere as caused by seasonal and local conditions—Climate as determined by winds, temperature, moisture and altitude—Healthy and unhealthy climates—Sanatoria—Soil as affecting health.

3. *Water Supply.*—Sources—Filtration—Storage—Causes of contamination.

4. *Habitation as affecting Health.*—Site and exposure—The dwelling—Air-space—Ventilation—Sewage and refuse removal and disposal—Sanitary fittings.

5. *Foods.*—Milk—Animal foods—Cereal foods—Adulteration—Preserved foods—Food-poisoning.

6. Vital statistics, and notification of infectious diseases.

7. Causes of the occurrence and spread of the more commonly met with infective diseases — Means of prevention—Isolation hospitals—Disinfection of clothing, of rooms, and of emanation from the sick.

8. School hygiene.

9. Disposal of the dead.

Research Laboratories in the John Usher Institute of Public Health.—Several research rooms have been fitted up in the Institute for research in Bacteriology and Bacteriological Chemistry under the direction of the Professor, assisted by J. Buchanan Young, M.B., D.Sc. (Public Health). Application to be made to the Professor.

XIV. CLINICAL SURGERY.

PROFESSOR ANNANDALE.

The subjects of this Course are the symptoms, diagnosis, pathology, and treatment of Surgical diseases and injuries as met with in the living body, and the modifications and complications which occur in connection with them. Patients are brought before the class in the University-Clinical Surgical Theatre of the Infirmary, and their condition is carefully examined and discussed, due regard being taken to avoid injuring their feelings or aggravating their disease. The history and probable nature of the case having been stated, the proper treatment is suggested and described, and any required operations or other treatments are carried out at once, or at the first convenient opportunity. Ward Cliniques are held at least two days in the week by the Professor, and the cases of patients in the wards are also specially demonstrated by the Assistant-Surgeon attached to the Clinical Wards. Practical instruction as to the examination of patients, the observation of symptoms, the treatment of surgical emergencies, the use of instruments, the application of dressings, and in Surgical Pathology and Surgical Anatomy is given by the Clinical Tutor (W. J. Stuart, M.A., M.B., F.R.C.S.E.) attached to the Chair. Special instruction in the administration of Anesthetics is also given by Thomas D. Luke, F.R.C.S.E. The two latter instructions are *free* to all Students attending the Course.

Text-Books.—Any of the recent standard works on Surgery. Students are also advised to study the best works (old and new) on the special subjects of Practical Surgery.

In connection with this class it is to be noted that under the New Regulations—(1) Nine months' attendance on Lectures is required, and it is advised that at least six months of this be continuous. (2) That attendance at the *Ward Cliniques* is compulsory and forms part of the Course. (3) Students must also produce a certificate that they have acted as Dresser or Clerk in Surgical Wards for six months.

XV. CLINICAL MEDICINE.

PROFESSORS SIR THOMAS R. FRASER, GREENFIELD, WYLLIE,
AND (FOR DISEASES OF WOMEN) DR A. H. FREELAND
BARBOUR.

This Course, consisting of Clinical Lectures and Instruction in the University wards of the Royal Infirmary, is conducted conjointly by the Clinical Professors—all being on duty both in the Winter and Summer Sessions, the Professor of Midwifery giving lectures and demonstrations on Gynecology on certain days.

The Course consists of:—1. Practical Instruction on three days a week at the bedside. 2. Critical Expositions and Discussions of cases in the lecture-room on two days a week.

Every facility is afforded to students to act as Clinical Clerks, and those are preferred who have had a course of tutorial instruction. At the close of each Summer Session, eight gentlemen, who have been members of the Class, are appointed Resident Physicians in the Clinical Wards for the following Winter and Summer Sessions; and in the wards of several of the Professors, Clinical Assistants are also appointed.

CLINICAL TUTORIAL CLASS.

Practical instruction in the Methods of Physical Examination is given to the Class by the University Clinical Tutors.

Junior Students are strongly advised to take this course of instruction along with their first course of Clinical Medicine.

DISEASES OF THE SKIN.

WILLIAM ALLAN JAMIESON, M.D., C.M., *Lecturer.*

The Course of Instruction, which is given in the Royal Infirmary, consists of not less than twenty Clinical Lectures, delivered in the Medical Theatre on Wednesdays and Fridays at 11 o'clock a.m. In these, patients are brought before the class and their condition is examined into and demonstrated, and the appropriate treatment prescribed and illustrated.

The Ordinary Out-patient Cliniques of the Department are held on Wednesdays and Saturdays, and operations are performed in the Wards on Tuesdays. These are open to all Students holding an Infirmary Ticket, and also to Members of the class.

Tutorial Instruction in the practical methods of examining patients, of using the microscope in the diagnosis of cutaneous affections, in the employment of instruments and the application of remedies, is given by Dr Norman Walker, at suitable hours in connection with the Lectures.

Text-Books.—Dr Jamieson's "Diseases of the Skin," Dr Norman Walker's "Introduction to Dermatology."

CLINICAL INSTRUCTION ON DISEASE IN CHILDREN

(at the Royal Hospital for Sick Children).

THOMAS MONCK BURN MURDOCH, M.B., *Lecturer*, and the Staff of the Royal Hospital for Sick Children.

The Courses consist of one Clinical Lecture and three Ward Cliniques weekly, demonstrations in the post-mortem room, and attendance at the out-patient department, also at operations on fixed days. In the surgical out-patient department a large number of minor surgical operations are performed daily.

The Courses are made as practical as possible, and students have full opportunities given for studying cases clinically and for becoming acquainted with the methods of examining children, and the diseases more peculiar to them.

At least two Courses will be conducted annually, one in the Winter before Christmas, and one in the Summer Session. A second Winter Course after Christmas will also be given if sufficient students come forward.

COURSE OF INSTRUCTION FOR DIPLOMA IN
TROPICAL MEDICINE AND HYGIENE, AND
FOR CERTIFICATE IN DISEASES OF TROPICAL
CLIMATES, SPECIALLY QUALIFYING FOR MEDI-
CAL APPOINTMENTS IN THE CROWN COLONIES
AND PROTECTORATES.

I. PRACTICAL BACTERIOLOGY, INCLUDING THE PARASITES
OF TROPICAL DISEASES.

JAMES MARTIN BEATTIE, M.A., M.D., *Lecturer.*

Three Courses of three months each are held annually in
October to December, January to March, and May to July.

(a) GENERAL.—*Laboratory Methods and Use of Apparatus*

1. Preparation of Media and Methods of Sterilisation—
Structure and Use of Sterilisers, Incubators, Filters, etc.

2. Methods of examining fluids or solid organs for Bacteria
or Tropical Parasites.

Staining Methods ; Methods of making Cultures—Separation
of Bacteria by Plate Cultures and other methods—Preparation
of Toxines.

Methods of obtaining and examining Blood, Pus, Excretions,
etc., in living subjects in suspected cases of disease.

Methods of Inoculation of Animals, and the making of post-
mortems examinations in man and in the lower animals.

Preparation and Mounting of Microscopic Sections.

(b) A systematic study of the Morphology, Staining Re-
actions, Cultural Characters, Methods of obtaining Cultures,
Special Characters and Distribution in Fluids and in Tissues
of, and the Characters of the Lesions resulting from the following
Bacteria :—

1. The organisms of Septic Wound Infection.

2. Bacteria of Tubercle, Glanders, Leprosy, Actinomycosis
Tetanus, Anthrax, Diphtheria, Typhoid, Influenza, Cholera,
Plague, Malta Fever, and Dysentery. Agglutination and other
special reactions for the distinction of certain Bacteria.

(c) Practical study of the following Parasites :—

Malaria, Trypanosomata, Filariæ, Ankylostoma, Bilharzia, Distomata, Amœba Dysenterica, Donovan Bodies and other Animal Parasites. Their Characters, Life History, and Recognition in Fluids and Tissues.

(d) Toxines, Antitoxins, Haemolysis, Immunity.

II. DISEASES OF TROPICAL CLIMATES.

ANDREW DAVIDSON, M.D., *Lecturer.*

The Course will consist of from twenty-five to thirty lectures, comprising :—

Detailed Schedule of Subjects :

CLASS OF TROPICAL DISEASES.

- I. GENERAL INFECTIONS.—*Protozoal Diseases.*—1. Hæmamœbiasis — Malarial and Blackwater Fevers. 2. Piroplasmosis. 3. Trypanosomiasis, including, (a) Trypanosome Fever and Sleeping Sickness ; (b) Cachexial Fever and Kala-Azar ; (c) Relapsing Fever ; 4. Tick Fever of Uganda ; 5. Yellow Fever.
Bacterial Diseases.—1. Cholera ; 2. Plague ; 3. Malta Fever ; 4. Tropical Enteric Fever ; 5. Leprosy.
Diseases of Uncertain Etiology.—1. Beriberi ; 2. Dengue ; 3. Yaws ; 4. Peruvian Wart ; 5. Japan River Fever ; 6. Epidemic Dropsy.
2. LOCAL INFECTIONS. — 1. Liver Abscess — Amœbic and Idiopathic ; 2. Dysentery — Amœbic and Bacterial ; 3. Epidemic Gangrenous Rectitis.
3. CLIMATIC DISEASES.—1. Climatic Fevers ; 2. Sunstroke and other Heat Diseases ; 3. Sprue and Hill Diarrhœa ; 4. Climatic Bubo.
4. TOXIC DISEASES. — Ophidismus — The Colubrine and Viperine Venoms ; 2. Stings of Scorpions ; 3. Poisoned Weapons, etc. ; 4. Pellagra.
5. ENTOZOAL DISEASES. — (a) NEMATODES ; 1. Filariasis ; 2. Anchylostomiasis ; 3. Guinea Worm ; (b) TREMATODES ; 1. Schistosomiasis including Bilharzia Disease, and Catto's Disease ; 2. Endemic Hæmoptysis.

6. TROPICAL ULCERS AND SKIN DISEASES. — 1. Oriental Sore ;
2. Tropical Phagedæna ; 3. Mycetoma ; 4. Tinea
Imbricata, Pinta, etc.

Separate classes will be arranged for women.

The dates of commencement and hours of the Lectures for the Winter and Summer Sessions will be announced later.

III. TROPICAL HYGIENE.

PROFESSOR HUNTER STEWART AND J. BUCHANAN YOUNG,
M.B., D.SC. (P.H.).

The Course consists of twelve Lectures and twenty two-hour periods of Practical Work in the Laboratory and includes the following :—

Tropical and Sub-tropical Climates — How affected by Nature of Soil, Altitude, Proximity to the Sea, Rainfall, Presence or Absence of Vegetation, and Moist or Dry Winds — Practice in the Use of Meteorological Instruments.

Influence of Climate in Health and in Disease. Acclimatization.

Personal Hygiene.—Diet, Clothing, Ablution, and Exercise.

General Characters of Clay, Sandy, and Alluvial Soils.—Determination of Water Capacity and Permeability of Soils.

Site and Construction of Dwellings—Selection and Preparation of sites for Dwellings, Hospitals, Camps, etc.—Suitability of Different Building Materials—Cubic Space—Light—Ventilation—Cooling of the Air.

Practical Examination of the Air of occupied Rooms.

Water Supply.—Rain, Rivers, and Wells as Sources—Sand Filtration—Storage, Distribution, and Cooling—Use of Domestic and Camp Filters—Purification of Drinking Water—Chemical and Bacteriological Examination of Water.

Foods.—Milk—Farinaceous and Animal Foods—Beverages—Tinned and other preserved Foods—Food Poisoning.

Microscopical and Chemical Examination of the more important Articles of Diet.

Drainage and Disposal of Refuse—Purification of Sewage and Prevention of Pollution of Rivers—General Sanitation of

Native Quarters, Camps, Factories, Plantations, Pilgrim and Coolie Ships, etc.

Destruction of Disease-carrying Animals (including Insects) in Houses, Ships, etc.

Disinfection of Ships, Dwellings, Clothing, and of Discharges from the Sick, etc.—Practice in the Preparation and Use of Disinfecting Solutions and in the testing of their germicidal power.

Sanitary Administration of General and Infectious Diseases Hospitals.

IV. MEDICAL ENTOMOLOGY AND PROTOZOOLOGY.

J. H. ASHWORTH, D.SC., *Lecturer.*

Lectures and Demonstrations will be given on—The Diptera (general survey of the Order). The House-fly, its Life History and Habits. The Life History, Anatomy, and Habits of Culicidæ and especially of *Culex*, *Stegomyia*, and *Anopheles*. The Classification of Culicidæ. The Life History, Anatomy, and Habits of the Tsetse-fly (*Glossina*). The general characters of blood-sucking flies. The Congo Floor-maggot. Myiasis. The Life History and Anatomy of the Ixodidæ and especially of *Ixodes* and *Ornithodoros*. The Poison Apparatus of Snakes and other venomous animals.

PROTOZOOLOGY.

RHIZOPODA. A general account of *Amœba*, *Entamœba coli*, *Entamœba histolytica*. CILIATA. A general account of *Paramecium* and of conjugation and its effects. *Balantidium coli*, *Opalina*. FLAGELLATA. A general account of some free living Flagellate, e.g. *Euglena*, Trypanosomata (*Spirochæte*), *Cercomonas* and *Trichomonas*. SPOROZOA. A general account of *Monocystis* or *Gregarina*. The Hæmogregarines. A general account of *Coccidium* with special reference to the sexual cycle. Malarial parasites. Halteridium. Piroplasma. Leishman-Donovan Bodies. Myxosporidia. Sarcosporidia.

In the Laboratory, members of the class will study examples of the principal divisions of the Protozoa, will make dissections and other preparations of various insects and of some venomous snake, and will examine a series of museum preparations and microscopic slides.

Graduation in Medicine and Surgery.

A.—REGULATIONS APPLICABLE TO ALL WHO BEGIN MEDICAL STUDIES AFTER 1ST OCTOBER 1892.

For those who began Medical Studies before 1st October 1892, see Abridged Regulations B, page 469.

I. Four Degrees in Medicine and Surgery are conferred by the University of Edinburgh, viz., Bachelor of Medicine (M.B.), Bachelor of Surgery (Ch.B.), Doctor of Medicine (M.D.), and Master of Surgery (Ch.M.). The Degree of Ch.B. is not conferred on any person who does not at the same time obtain the Degree of M.B., and the Degree of M.B. is not conferred on any person who does not at the same time obtain the Degree of Ch.B.

[These Degrees admit to the Medical Register. They qualify for Practice throughout His Majesty's dominions, and for admission to the Naval, Military, and other Public Medical Services.]

II. Subject to Regulations to be made from time to time by the University Court, the University may also confer Diplomas in Special Branches of Medical and Surgical Practice on Graduates of the University in Medicine and Surgery.

[A University Diploma is granted in Tropical Medicine and Hygiene (D.T.M. and H.), and a University Certificate is granted in Diseases of Tropical Climates. See pages 458, 459.]

PRELIMINARY EXAMINATION.¹

III. Before commencing medical studies, each student must pass a Preliminary Examination in (1) English, (2) Latin, (3) Elementary Mathematics, and (4) Greek or French or German: Provided always that, in the case of a candidate whose native language is not English, an examination in the native language of the candidate² may be substituted for one in either French or German, and an examination in any other classical language² for one in Latin or Greek.

¹ See also pages 527-531, and Regulations for Registration of Medical Students, page 452. Communications as to the Preliminary Examinations should be addressed to the *Clerk of Senatus*. But applications for exemption in respect of other Examinations than those detailed at pages 530 and 531 must be addressed to the Convener of the Joint Board, University, Glasgow.

² Candidates who propose to be examined in a language other than those above-named are required to give intimation thereof before 1st February or 1st July for the Examinations in spring and autumn respectively.

IV. The extent and standard of the Preliminary Examination is determined by the Joint Board of Examiners constituted under Ordinance, No. 13 [General, No. 8 Regulations as to Examinations], in accordance with the terms of that Ordinance.

V. The Preliminary Examination is conducted in accordance with the provisions of Ordinance No. 13 [General, No. 8 Regulations as to Examinations];—and, subject to the provisions of the immediately succeeding section hereof, a Candidate shall be obliged to pass in all the required subjects at one or not more than two Examinations; provided that he may offer himself for re-examination as often as may be necessary to satisfy this condition.

VI. A Degree in Arts, or in Science (not being a Degree *honoris causa tantum*), in any of the Universities of the United Kingdom, or in any Colonial or Foreign University specially recognised for the purpose by the University Court, exempts from the Preliminary Examination; and the Joint Board of Examiners appointed under the provisions of Ordinance, General, No. 8 [Regulations as to Examinations], has power to determine what examinations, other than those for the degrees hereinbefore mentioned, shall be accepted either in whole or in part in place of the Preliminary Examination.¹

PROFESSIONAL EDUCATION.

VII. Candidates are admitted to the Degrees of M.B. and Ch.B. only after they have fulfilled the following conditions:—

1. The Candidate must have been engaged in Medical study for at least five years.
2. In each of the first four years the Candidate must have attended at least two courses of instruction, in one or more of the subjects of study specified in sub-section 4 hereof—each Course extending over a session of not less than five months,³ either continuous or divided into two terms; or, alternatively, one such Course, along with two Courses, each extending over a session of not less than two and a half months.²
3. During the fifth or final year the Candidate must be engaged in Clinical study for at least nine months at the Royal Infirmary, Edinburgh, or at one or more of such Public Hospitals or Dispensaries, British or Foreign, as may be recognised for the purpose by the University Court.

¹ See page 529.

² No Course of Lectures will be allowed to qualify unless the Lecturer certifies that it has embraced at least 100 Lectures, or 50 Lectures, in conformity with the requirements of this section. Three Months' Courses on *Materia Medica*, *Pathology* and *Midwifery* do not qualify, unless in the case of *Midwifery* they conform to the Regulation on p. 437. Apprenticeship, Dispensary or Hospital Practice, Practical *Midwifery*, and *Vaccination*, &c., are not reckoned as *Classes* in making up an *Annus Medicus*. See also section 13, p. 441.

4. The Candidate must, during his Curriculum, have attended a Course or Courses of instruction in each of the following subjects of study, including such Examinations as may be prescribed in the various Classes, viz. :—

(1.) ANATOMY, ...	{ During a Course of not less than Five Months. ³
(2.) PRACTICAL ANATOMY, ...	{ During two Courses of not less than Five Months each. ¹
(3.) CHEMISTRY, ...	{
(4.) MATERIA MEDICA and THERAPEUTICS, ...	
(5.) PHYSIOLOGY or INSTITUTES OF MEDICINE, ...	
(6.) PRACTICE OF MEDICINE, ...	
(7.) SURGERY, ...	
(8.) MIDWIFERY, and the DISEASES peculiar to WOMEN and INFANTS. Two Courses of Midwifery, of Three Months each, provided different departments of Obstetric Medicine be taught in each of the Courses, are reckoned equivalent to a Course of not less than Five Months, ...	{ During Courses of not less than Five Months. ³
(9.) PATHOLOGY, ...	{
(10.) PRACTICAL CHEMISTRY, ...	
(11.) PHYSICS (including the DYNAMICS OF SOLIDS, LIQUIDS, and GASES, and the RUDIMENTS OF SOUND, HEAT, LIGHT, and ELECTRICITY), ...	
(12.) ELEMENTARY BOTANY, ...	
(13.) ELEMENTARY ZOOLOGY, ...	
(14.) PRACTICAL PHYSIOLOGY, ²	{ During Courses of not less than Two and a half Months, and in Public Health not less than Forty Meetings of the Class. ³
(15.) PRACTICAL PATHOLOGY, ...	
(16.) FORENSIC MEDICINE, ...	
(17.) PUBLIC HEALTH, ...	

Provided always in so far as regards the University of Edinburgh that—

- (a) It is the duty of the Senatus to determine from time to time the number of meetings of which such Courses

¹ Certificates of attendance on Practical Anatomy must express not only the number of months engaged in dissection, but the names of the parts dissected, and the degree of care with which the dissections have been made. Students are recommended not to appear for Examination in Anatomy, with a view to a Degree, until they have dissected the human body at least once.

² For students who commenced medical study after September 1899 certificates of attendance on Practical Physiology must bear that the course of instruction included (a) Experimental Physiology, (b) Chemical Physiology, and (c) Histology, or separate certificates must be presented, covering each of these parts of the course.

³ See footnote 2, page 436.

shall consist, and in what cases two half Courses shall be deemed equivalent to a full Course; and to report the determination to the University Court for its approval.

(b) It is the duty of the Professors and Lecturers to submit to the Senatus annually at the end of the Winter Session a scheme specifying what proportion of the Courses shall be devoted to Lectures, Practical Demonstrations, Examinations, and Tutorial Work respectively. The Senatus must transmit such scheme, with such observations as it may think fit to make thereon, to the University Court for its approval.

(c) The University Court will not grant or continue recognition to any institutions or teachers unless it is satisfied that their Courses of Instruction are equivalent to the Courses sanctioned in the Universities of Scotland.

5. The Candidate must have attended for at least three years the Medical and Surgical Practice either of the Royal Infirmary, Edinburgh, or of a General Hospital elsewhere, which accommodates not fewer than eighty patients, and possesses a distinct staff of Physicians and Surgeons, and is recognised for the purpose by the University Court.
6. The Candidate must have attended Clinical Surgery¹ during a Course or Courses extending over not less than nine months. These Courses may be conducted by the Professor of Clinical Surgery, or by Professors or Lecturers appointed for the purpose by the University Court, or by the Ordinary Surgeons of the Royal Infirmary, Edinburgh, or of a General Hospital defined and recognised as hereinbefore provided, and must consist of regular instruction at the bedside, along with Clinical Lectures.
7. The Candidate must have attended Clinical Medicine¹ during a Course or Courses extending over not less than nine months. These Courses may be conducted by Professors of the University, or by Lecturers appointed for the purpose by the University Court, or by the Ordinary Physicians of the Royal Infirmary, Edinburgh, or of a General Hospital defined and recognised as hereinbefore provided, and must consist of regular instruction at the bedside, along with Clinical Lectures.
8. The Candidate must have attended a course of instruction in Mental Diseases, of such duration, and so apportioned between lectures, demonstrations, and clinical instruction, as the Senatus, with the approval of the University Court, may from time to

¹ Only open to Students holding the Hospital Ticket. Certificates of attendance must be countersigned by the Treasurer of the Royal Infirmary. Attendance at these classes includes attendance at the Ward Cliniques as well as the Class Lectures.

time determine. [The course of instruction in Mental Diseases must have been given by the University Lecturer, or by a recognised Teacher, and must consist of not less than six Class-room meetings for lectures and demonstrations and ten meetings in the Wards of a recognised Asylum for the Insane.¹]

9. The Candidate must have attended a Course of twenty-five meetings on Practical Pharmacy in a University or recognised School of Medicine, or have dispensed drugs for a period of three months in an Hospital or Dispensary, or the establishment of any chemist and druggist or pharmaceutical chemist of Great Britain, or any pharmaceutical chemist of Ireland, who is registered in the Books of the Pharmaceutical Society of Great Britain or of the Pharmaceutical Society of Ireland respectively.
10. The Candidate must have attended, for at least six months, by apprenticeship or otherwise, the out-practice of an Hospital, or the practice of a Dispensary, or of a Physician or Surgeon, or of a Member of the London or Dublin Society of Apothecaries. He must have acted as Clerk²³ in the Medical and Dresser²³ in the Surgical Wards of a Public Hospital; and must also have availed himself, to such an extent as may be required by the Senatus, with the approval of the University Court, of opportunities of studying, at an Hospital or Dispensary, *post-mortem* Examinations, Fevers, Diseases of Children, Ophthalmology, or such other special departments as may from time to time be determined. [The approved courses are:—*A.* (1) Post-Mortem Examinations³ in a recognised Hospital for a period of at least three months, during which practical instruction is given in the methods of making Post-Mortem Examinations, and in framing Reports.¹ (2) A course of Clinical instruction in infective Fevers, given at not less than twelve meetings in the Wards of a recognised Hospital where Clinical instruction is given on cases of Infectious Diseases.¹ (3) A three months' course of instruction in Diseases of the Eye, given by the University Lecturer, or by a recognised Teacher, of not less than twelve Class-room meetings and twelve meetings for Clinical instruction in the Wards of a recognised Hospital, or in the Wards of a Hospital, and in a Dispensary, both recognised for the purpose. The Course to include efficient practical instruction in Ophthalmoscopy, and in the detection of errors in refraction.¹ (4) A Course of Operative Surgery, conducted by the Professor of Surgery

¹ Must be attended before the Candidate enters for the Final Examination.

² For six months. Must be members of the Class of Clinical Surgery, or of Clinical Medicine as the case may be.

³ See footnote, page 438.

in the University, or by a recognised Teacher. *B.* Every Candidate shall also be required to attend any one of the three following courses :—(1) A course of Clinical instruction in the Diseases of Children, given by the University Lecturers, and by recognised Teachers in the Edinburgh Royal Hospital for Sick Children, or by a recognised Teacher or Teachers in a Hospital recognised for the purpose, which shall extend over a period of at least six weeks, and in addition to the opportunities for Surgical and for other Medical instruction afforded by the Hospital, shall include Clinical instruction in the Medical diseases of children, consisting of not less than four Class-room lectures, ten meetings for Clinical instruction in the Medical Wards, and four meetings in the Out-patient Department of the Hospital,¹² together with attendance at Post-Mortem Examinations.¹² (2) A course of instruction in diseases of the Larynx, Ear, and Nose, given by a University Lecturer,¹² or by a recognised Teacher, at not less than six Class-room meetings, and twelve meetings for Clinical instruction in the Wards of a recognised Hospital, or in the Wards of a Hospital and in a Dispensary, both recognised for the purpose.¹² (3) A course of clinical instruction in diseases of the Skin, given by a University Lecturer, or by a recognised teacher, at not less than Twenty meetings in the wards of a recognised Hospital, or in the wards of a Hospital and in a Dispensary both recognised for the purpose.¹²

11. The Candidate must have attended, under the superintendence of a registered Medical Practitioner, twelve cases of labour, or such additional number as the Senatus, with the sanction of the University Court, may from time to time determine; or have attended for three months the practice of a Lying-in Hospital, or of the Maternity Department of a General Hospital or other Public Charitable Institution, and have conducted personally six, or such an additional number of cases of labour as the Senatus, with the approval of the University Court, may from time to time determine.
12. The Candidate must have been properly instructed in Vaccination at a Public Vaccination Station, by a Public Vaccinator, authorised by the proper Government Authority to grant Certificates of Proficiency in Vaccination.³

¹ See footnote, page 438.

² See footnote 1, page 439.

³ The Candidate must, when he enters for the Final Examination, produce a certificate of instruction and examination in vaccination of the standard required by the Local Government Board from a Vaccine Department in an Hospital, Dispensary, or other public Institution recognised for the purpose by the Local Government Board. The recognised Vaccine Departments in Edinburgh are the Western Dispensary, 90 Fountainbridge—*Vaccinator*, Dr J. B. Buist; and the Edinburgh Provident Dispensary, Marshall Street—*Vaccinator*, Dr Cadell.

13. No Candidate for a degree will be deemed to have attended a class as part of the Curriculum necessary for that degree who does not present a certificate bearing not only that he has given regular attendance, but also that he has duly performed the work of the class.

VIII. With respect to the Places and Institutions at which the studies of the Candidate may be prosecuted, the following Regulations have effect :—

1. Two of the five years of medical study must be spent in the University of Edinburgh, each year of study including always the attendances specified in section VII., sub-section 2.
2. The remaining three years may be spent in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised for the purpose by the University Court, or in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court, each year of study during the first four years including always the attendances specified in section VII., sub-section 2.
3. Of the subjects of study specified in section VII., sub-section 4, not less than eight must be taken in the University of Edinburgh, or (subject always to the provisions as to attendance contained in the immediately preceding sub-sections) in some other University of the United Kingdom, or in some Foreign or Colonial University entitled to confer the Degree of Doctor of Medicine, recognised for the purpose by the University Court, or in a College incorporated with, or affiliated to a University, entitled to confer the Degree of Doctor of Medicine, recognised for the purpose by the University Court : Provided always that where in any of said subjects of study two or more Courses are required, the taking of one of those Courses will constitute a taking of the subject for the purpose of this sub-section.
4. The remainder of such subjects of study may (subject always as aforesaid) be taken in such Medical Schools or under such Teachers as may be recognised for the purpose by the University Court.
5. All Candidates, not Matriculated Students of the University, availing themselves of the permission to attend the Lectures of Extra-Academical Teachers in Edinburgh, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by

Students of the University, and having, in respect of such payment, a right to the use of the Library of the University.

6. The Fee for attendance, for purposes of graduation, on the Courses of instruction of recognised Extra-Academical Teachers in Edinburgh, must be not less than the amount exigible for the corresponding Courses in the University.

[The fee must be paid at the commencement of the Course, and the Certificate must state the amount of the fee paid.]

7. The University Court will not recognise as qualifying for examination in any of the subjects specified in section VII., sub-section 4, the class of any teacher who is at the time a teacher of more than one of the said subjects, except in those cases where Professors in the University are at liberty to teach the two subjects: Provided always that a Professor or other Teacher in any endowed public College or Institution, who, by the terms of his appointment, is required to teach more than one subject of Medical Study therein, may be recognised under sub-section 2 of this section as a Teacher of any one of the subjects which he teaches.
8. A Teacher, attendance on whose course of instruction, before the date of the approval of these Regulations by Her Majesty in Council, had been recognised for the purposes of graduation in the University, is not required to obtain a new recognition from the University Court; and attendance on the course of instruction of every such Teacher may continue to be recognised as heretofore.
9. It is in the power of the University Court, if it sees cause, at any time to withdraw or suspend any recognition which it may have granted.

IX. In the University of Edinburgh it is the duty of the Professors of the subjects specified in section VII., sub-section 4 hereof (except Practical Anatomy and such other subjects as the Senatus, with the approval of the University Court, may from time to time determine), so to conduct the Courses that Students may receive instruction sufficient for graduation in any one of the said subjects by attendance on one Course of five or six months, or of two and a half or three months as the case may be.¹

¹ A question having been raised as to the construction of section IX., the following interpretation was officially issued by the University Commissioners:—

“It is not intended to require of the Professor a complete course of instruction by lectures during each session, or to limit the Examinations for Degrees to subjects which shall be discussed in the lectures of the Professor at the time that the

X. If any Candidate, before presenting himself for his Preliminary Examination, has attended in any University of the United Kingdom, or in any University or Institution specially approved, or under any Teacher specially recognised for the purpose by the University Court, a Course or Courses of instruction in Physics, Chemistry, Botany, or Zoology, equivalent in the judgment of the Senatus to the qualifying Course in the same subject in the University of Edinburgh, such attendance will (notwithstanding anything hereinbefore stipulated) be held as entitling him to be examined in these subjects; and if the Candidate has attended such Course or Courses in each of the said subjects, he will be held to have completed his first year of Medical Study: Provided always that the evidence of such attendance at such equivalent Course or Courses must be presented to the Senatus at the time when the Candidate presents himself for his Preliminary Examination; and the Senatus will, if satisfied, grant a certificate to that effect.¹

By a Supplementary Ordinance of the Commissioners, the provisions of this section shall not have effect except where the University Court shall allow the application after a report by the Senatus, setting forth special grounds therefor.

PROFESSIONAL EXAMINATION FOR M.B. AND CH.B.

XI. Each Candidate is examined, both in writing and orally, and also clinically where the nature of the subject admits, in the following divisions, viz.:—*First*, in Botany, Zoology, Physics, and Chemistry; *Second*, in Anatomy, Physiology, and Materia Medica and Therapeutics; *Third*, in Pathology; *Fourth*, in Surgery and Clinical Surgery, Practice of Medicine and Clinical Medicine, Midwifery, Forensic Medicine, and Public Health.

In subjects which admit of practical instruction, the examination will be such as to test the practical acquirements of the Candidate.

If a Candidate for the Degrees of M.B. and Ch.B. have completed, in a University of the United Kingdom, a course of study and passed an examination in Botany, Zoology, Physics, or Chemistry qualifying for a Degree in Science or in Arts, he shall be held to have passed the examinations in such subject or subjects.

If a Candidate has obtained a Degree in Science or in Arts in any

Student attended the Course. The word 'instruction,' as used in this section, is to be held to include lectures upon such parts of the subject as the Professor may be able to overtake, supplemented by directions as to the use of text-books or other sources of information for the remainder of the subject; and it is also intended that the Examination may be taken over the whole field, even when the Professor has not been able to include it all in his course of lectures."

¹ *N.B.*—The benefit of this section can only be allowed in very exceptional cases, and after full consideration of a formal application by the Candidate. Applications from Candidates who have appeared for, and failed in, the University Medical Preliminary Examination, and have thereafter attended the Courses for which recognition is sought, cannot be considered.

University other than a University of the United Kingdom, granted in either case after a course of study and an examination in Botany, Zoology, Physics, or Chemistry, it shall be in the power of the University Court to exempt such Candidate from the examinations in such subject or subjects; provided that the course of study and the standard of examination in each case are satisfactory in the judgment of the *Senatus Academicus*.¹

XII. Candidates who profess themselves ready to submit to an examination in the subjects comprised in the first division, viz., Botany, Zoology, Physics, and Chemistry, may be admitted to examination in all or any two of these subjects at any examination held after they have attended a full Course in each of the subjects professed.

XIII. Candidates who have passed their examinations in the subjects comprised in the first division may be admitted to examination in the second division at the end of the third winter session.

Provided that Candidates who so desire may postpone their examination in *Materia Medica* and *Therapeutics* until the close of the summer session following.

XIV. Candidates who have passed their examinations in the subjects comprised in the first and second divisions may be admitted to examination in the third division at the end of the fourth winter session.

XV. Candidates who have passed their examinations in the subjects comprised in the first, second, and third divisions may be admitted to examination in the fourth or final division, when they have completed the fifth year of study.²

XVI. If any Candidate at these examinations be found unqualified in one or more subjects, he will not again be admitted to examination unless he has pursued his medical studies for such time, and subject to such conditions, as the Faculty of Medicine may prescribe.³

XVII. If any Candidate at these examinations be found to have passed in one or more subjects with sufficient merit, he will not be liable to re-examination in such subject or subjects, although he may have been found unqualified in a subject or subjects comprised in the same division as hereinbefore specified.

XVIII. Every Candidate must deliver,⁴ on or before such day as the

¹ See Regulations for Graduation, &c., of Women, page 448.

² See footnote, page 460.

³ Satisfactory Certificates must be produced when Candidates re-enter for Examination. The fees paid to Extra-Academical teachers in Edinburgh for re-attendances must be of the same amount as those payable for the corresponding classes in the University, and the Certificates of attendance must show the amounts of the fees paid.

⁴ On or before the date for lodging Certificates, &c., for the Final Examination. See page 463. This declaration is appended to the Schedule for the Final Examination, and must be attested and signed before the Schedule is lodged.

Senatus may from time to time determine, to the Dean of the Faculty of Medicine, a declaration, in his own handwriting, that he has completed his twenty-first year, or that he will have completed it on or before the day of graduation, and that he will not be, on the day of graduation, under articles of apprenticeship to any surgeon or other master.

XIX. After the Candidate has satisfied the Examiners, the Dean of the Faculty of Medicine lays the proceedings before the Senatus, by whose authority the Candidate will be admitted, on such day as the Senatus may from time to time appoint, to the Degrees of M.B. and Ch.B., on payment of the required fees.

XX. Candidates for graduation must produce evidence of their having conformed to the Regulations which were in force at the time they commenced their Medical Studies.

PROFESSIONAL EXAMINATION FOR M.D.¹

XXI. 1. Subject to the conditions hereinafter specified, the Degree of M.D. is conferred on any Candidate who has obtained the Degrees of M.B. and Ch.B., and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to having received the Degrees of M.B. and Ch.B., for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in Practice other than Practice restricted to Surgery.

2. Each Candidate for the Degree of M.D. is required to pass an examination in Clinical Medicine and in such of its special departments as may from time to time be determined; and he may present himself for examination in Clinical Medicine at any period of examination subsequent to one year after he has received the Degrees of Bachelor of Medicine and Bachelor of Surgery.

This Examination in Clinical Medicine for each Candidate consists of a written Report and Commentary, with any oral questions that may be considered desirable, upon at least three Medical cases. In the selection of the cases, special regard should be given to the opportunities they afford for testing the Candidate, not only in the ordinary methods of clinical investigation, but also in the more advanced methods

¹ Candidates, settled for a period of years in foreign parts, who have complied with all the regulations for the Degree of M.D. or for the Degree of Ch.M., but who cannot appear personally to receive the Degree, may, on satisfying the Senatus to that effect, by production of sufficient official testimonials, have the Degree conferred on them in absence.

requiring practical knowledge in the applications of the ophthalmoscope and laryngoscope, in the chemical and microscopical examination of excreta, the quantitative determination and microscopic characters of the chief constituents of blood possessing clinical importance, the recording by instruments of the condition of the circulation, the applications of electricity, &c. : Provided always that one of the three cases on which a Candidate shall be examined may be the case of a patient suffering from a Gynecological or Mental Disease, or Disease of Childhood, if the Candidate on entering his name for the Examination declare a wish to this effect. So far as possible, the Examination in these Departments will be on a standard equal to that of the Examination on the Medical cases.

3. Each Candidate for the Degree of M.D. must submit for the approval of the Faculty of Medicine a Thesis,¹ on any branch of knowledge comprised in the second, third, or fourth examinations for the Degrees of M.B. and Ch.B., which he may have made a subject of study after having received those Degrees, excepting subjects which are exclusively Surgical ; and the Thesis, accompanied by a declaration signed by the Candidate, that the work has been done and the Thesis composed by himself, must be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.²
4. A Bachelor of Medicine and Bachelor of Surgery, who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to the examination in Clinical Medicine at any period of examination after he has received such Degrees ; but the Degree of M.D. will not be conferred on him unless he produces a certificate that, subsequently to having received the Degrees of M.B. and Ch.B., he has been engaged for at least one year in attendance in the Medical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for

¹ After graduation as M.D., Candidates may borrow their Theses for a limited period, on obtaining permission from the Dean to do so, and depositing £1.

² Candidates are required to write their Theses on faint lined paper, 11 in. by 8½ in. with margins 1½ in. at each side. The Thesis is to be written on one side of each leaf only, and it must be lodged on or before 30th April of the year in which the Candidate proposes to graduate. There is no regulation as to length of Thesis. See also Regulations as to entering for Examinations and lodging Theses, page 461. For standard of Thesis see page 472, sentence beginning: "No Thesis will be approved" &c.

at least two years in Practice which has not been exclusively surgical, and unless his Thesis, in the judgment of the Faculty of Medicine, is of exceptional merit.

Bachelors of Medicine and Masters of Surgery of the University of Edinburgh, who have graduated under the regulations in force before 5th August 1892, may proceed to the Degree of Doctor of Medicine under the provisions of this section in the same manner as if they had graduated under the new Regulations.

PROFESSIONAL EXAMINATION FOR CH.M.¹

- XXII. 1. Subject to the conditions hereinafter specified the Degree of Ch.M. will be conferred on any Candidate who has obtained the Degrees of M.B. and Ch.B. of the University, and is of the age of twenty-four years or upwards, and has produced a certificate of having been engaged, subsequently to his having received the Degrees of M.B. and Ch.B., for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Military or Naval Medical Services, or for at least two years in practice other than practice restricted to Medicine.
2. Each Candidate for the Degree of Ch.M. is required to pass an examination in the following subjects:—Surgical Anatomy, Operations upon the dead body, and Clinical Surgery, and in such of the special departments of Clinical Surgery as may from time to time be determined; and he may present himself for examination in these subjects at any period of examination subsequent to one year after he has received the Degrees of M.B. and Ch.B.

The Examination in Clinical Surgery for the Degree of Master of Surgery should for each Candidate consist of a written Report and Commentary, with any oral questions that may be considered desirable, on at least three Surgical cases: Provided that one of the three Surgical cases on which a Candidate shall be examined may be the case of a patient suffering from an Eye, Throat, Ear, or Gynecological Disease, if the Candidate on entering his name for the Examination declare a wish to this effect. So far as possible, the Examination in these Departments shall be on a standard equal to that of the Examination on the Surgical cases. The Candidates shall also be examined in Surgical Anatomy and Operations upon the dead body.

¹ See footnote. page 445.

3. Each Candidate for the Degree of Ch.M. must submit, for the approval of the Faculty of Medicine, a Thesis¹ on any branch of knowledge comprised in the second, third, or fourth Examinations for the Degrees of M.B. and Ch.B., which he may have made a subject of study after having received those Degrees, excepting subjects that are exclusively medical; and the Thesis, accompanied by a declaration signed by the Candidate that the work has been done and the Thesis composed by himself, must be lodged with the Dean of the Faculty of Medicine on or before a date to be fixed by the Senatus.¹
4. A Bachelor of Medicine and Bachelor of Surgery who produces to the Senatus satisfactory evidence of his intention of entering within twelve months after obtaining such Degrees on the practice of his profession in a British Possession or Colony, or in a foreign Country, may, under Regulations to be framed by the Senatus, be admitted to examination in the subjects specified in sub-section 2 of this section at any period of examination after he has received such Degrees; but the Degree of Ch.M. shall not be conferred on him unless he produces a certificate that, subsequently to having received the Degrees of M.B. and Ch.B., he has been engaged for at least one year in attendance in the Surgical Wards of an Hospital, or in scientific work bearing directly on his profession, such as is conducted in the Research Laboratories of the University, or in the Naval or Military Medical Services, or for at least two years in Practice which has not been exclusively medical, and unless his Thesis in the judgment of the Faculty of Medicine is of exceptional merit.

REGULATIONS FOR GRADUATION OF WOMEN.

1. It shall be in the power of the University Court to admit Women to graduation.

2. The conditions for graduation shall be the same for women as for men, subject to the following modifications, which shall have effect until provision is made for the instruction of women in all the subjects qualifying for graduation, in which provision is made for the instruction of men.

3. Section VIII. of Regulations for Degrees in Medicine shall not be applicable to the graduation of women in Medicine.

So long as within the Faculty provision is not made for the instruction of women in any subject qualifying for graduation in which provision is made for the instruction of men, it shall be in the power of the University Court to admit to graduation women who have received the requisite instruction in that subject in any University of the United Kingdom, or in any Indian, Colonial, or Foreign University recognised

¹ See footnotes 1 and 2, page 32.

for the purpose by the University Court, or in such Medical Schools or under such teachers as may be recognised for the purpose by the University Court : Provided always that every Candidate for graduation shall produce evidence of having satisfied the conditions laid down in the Regulations for Degrees in Medicine with respect to the Preliminary Examination, and shall be examined in all the subjects necessary for graduation by the Examiners of the University.

4. So soon as within the University provision is made for the instruction of women in all subjects qualifying for graduation in which provision is made for the instruction of men, the conditions for the graduation of women shall be the same as the conditions for the graduation of men.

5. In the case of women who began their studies before these Regulations came into operation, it shall be competent to the University Court to admit to graduation in Medicine women who may complete their medical studies in accordance either with the Regulations for graduation hitherto in force, or with the present Regulations ; declaring that as regards their studies prior to the date at which these Regulations came into operation (1st October 1892), such women may have obtained their instruction in any classes which the University Court may accept for the purpose, and providing that before beginning their medical studies they shall have passed a Preliminary Examination which the University Court shall consider to have been adequate.

6. Women who attend classes in the University must matriculate, paying a fee of the same amount as that exigible for other students. Women, who are Candidates for graduation but not matriculated students, and who may attend classes in Edinburgh under the provisions above set forth, must, at the commencement of each year of such attendance, enrol their names in a book to be kept in the University for that purpose, paying a Fee of the same amount as the Matriculation Fee paid by students of the University [and having, in respect of such payment, a right to the use of the Library of the University].

ADDITIONAL REGULATIONS OF THE UNIVERSITY COURT.

When granting recognition to Medical Schools or Teachers for the medical instruction of women, the University Court requires that the classes shall not be mixed classes, except on special cause shown.

The University Court have recognised the Medical College for Women, 30 Chambers Street, Edinburgh, as a Medical School whose courses of instruction qualify for graduation in Medicine, subject to the following conditions:—Provided 1. That every Candidate for graduation shall produce evidence of having satisfied the conditions with respect to the Preliminary Examination and Registration as Medical Students, and shall be examined in all the subjects necessary for graduation by the Examiners of the University in which she takes her degree.

2. . . . 3. . . . 4. . . . 5. That the aforesaid School make ap-

plication annually to the University Court for a continuation of the recognition thus granted, and at the same time report to the Court on the administrative arrangements and discipline of the School. 6. That schedules of Class Returns, to be furnished by the Court, and giving the designation of the class or course, number of students, number of meetings, &c., be filled up by each of the teachers of the qualifying classes or courses of instruction in the aforesaid School, as in the case of the recognised Lecturers on Medicine, and forwarded to the Secretary of the Court not later than 1st July in each year. 7. That all advertisements referring to the recognition of the aforesaid School, or to the qualifying classes or courses of instruction to be given at any time in connection with this School, shall, before publication, be submitted to the Secretary of Senatus of the University, and receive his approval.

DATES OF ENTERING FOR PRELIMINARY EXAMINATION AND FOR PAYMENT OF FEES.

Each Candidate is required to pay a Fee of 10s. 6d. for each appearance at the Preliminary Examination.

Candidates for Examination may obtain Schedules at the Matriculation Office, University (Old) Buildings, on and after 7th September 1906, and on and after 15th February 1907. The Schedules must be completed and returned along with the Fees not later than 21st September 1906 and 1st March 1907, for the autumn and spring Examinations respectively.

The Examinations are held in the Examination Hall, University (Old) Buildings, South Bridge, Edinburgh.

Candidates may pay the Fees personally or transmit them to T. Gilbert, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts* crossed Union Bank of Scotland (Hunter Square Branch), Edinburgh, but not by cheques on private accounts. If, after payment of the Fee, a Candidate withdraws his name, or fails to present himself at the Examination, he will not receive back the Fee, but will be allowed to enter on one subsequent occasion for Examination without payment of any additional Fee. When names are not entered and Fees paid on or before the stated dates, an additional or late entry Fee of 10s. must be paid before the Candidate can be admitted to Examination. A Candidate is not held to have entered until his Schedule is lodged, the Fee paid, and a Pass to the Examination obtained. A Candidate must enter his name and pay the Fee, or, when the Fee has been previously paid, obtain a Pass, for each periodical Examination at which he desires to appear.

TIME-TABLE FOR PRELIMINARY EXAMINATIONS FOR 1906-1907.

		Medical Preliminary Examinations.	Arts and Science Preliminary Examinations.
1906.			
Sept. 28	Fri.	English, 9-12 Latin, 3-6 ²	English, 1st paper, 9-11 Higher Latin, 1st paper, 12-2 Lower Latin, 3-6
„ 29	Sat.	Higher Mathematics, 1st paper, 12-2 ¹ Greek, 3-6 ² Do., 3-5 ¹	English, 2nd paper, 9-11 Intermediate and Higher Mathematics, 12-2 Lower Greek, 3-6
Oct. 1	Mon.	Higher Mathematics, 2nd paper, 12-2 ¹ Mathematics, 3-6 ²	Higher Latin, 2nd paper, 9-11 Intermediate and Higher Mathematics, 12-2 Lower Mathematics, 3-6
„ 2	Tu.	French, 12-3 Do., 12-2 ¹ Mechanics, 3-6 ¹³	Higher Greek, 1st paper, 9-11 French, 1st paper, 12-1.30 Dynamics, 3-6
„ 3	Wed.	German, 3-6 Do., 3-5 ¹	Higher Greek, 2nd paper, 9-11 French, 2nd paper, 12-2 German, 1st paper, 3-4.30
„ 4	Th.	Moral Philosophy, 9-11 ¹	German, 2nd paper, 9-11 Italian, 1st paper, 12-1.30 Italian, 2nd paper, 3-5
„ 5	Fri.	Natural Philosophy, 9-11 ¹ Logic, 2-4 ¹	
1907.			
Mar. 29	Fri.	English, 9-12 Latin, 3-6 ²	English, 1st paper, 9-11 Higher Latin, 1st paper, 12-2 Lower Latin, 3-6
„ 30	Sat.	Higher Mathematics, 1st paper, 12-2 Greek, 3-6 ² Do., 3-5 ¹	English, 2nd paper, 9-11 Intermediate and Higher Mathematics, 1st paper, 12-2 Lower Greek, 3-6
April 1	Mon.	Higher Mathematics, 2nd paper, 12-2 ¹ Mathematics, 3-6 ²	Higher Latin, 2nd paper, 9-11 Intermediate and Higher Mathematics, 2nd paper, 12-2 Lower Mathematics, 3-6
„ 2	Tu.	French, 12-3 Do., 12-2 ¹ Mechanics, 3-6 ¹³	Higher Greek, 1st paper, 9-11 French, 1st paper, 12-2 Dynamics, 3-6
„ 3	Wed.	German, 3-6 Do., 3-5 ¹	Higher Greek, 2nd paper, 9-11 French, 2nd paper, 12-2 German, 1st paper, 3-5
„ 4	Th.	Moral Philosophy, 9-11 ¹	German, 2nd paper, 9-11 Italian, 1st paper, 12-2 Italian, 2nd paper, 3-5
„ 5	Fri.	Natural Philosophy, 9-11 ¹ Logic, 2-4 ¹	

¹ For Students completing the Examination under the Old Regulations.

² Same as the Lower Standard Paper for Degrees in Arts and Science.

³ Same as Dynamics for Degrees in Arts and Science.

MINIMUM CURRICULUM FOR DEGREES OF M.B. AND CH.B., WITH SUGGESTED ORDER OF STUDY AND EXAMINATION.

Before beginning Medical Study, students must pass the Preliminary Examination in General Education, either at the University, or elsewhere, according to the requirements of the University. Immediately after entering on Medical Study, students must register in the books of one or other of the Registrars of the General Medical Council. The Registrar for Scotland is Mr James Robertson, 54 George Square, Edinburgh, from whom forms of Registration and all information on the subject may be obtained. *Candidates for Registration must produce evidence that they have attained 16 years of age.*

Medical Study may be begun either in October (Winter Session) or May (Summer Session), and must be engaged in for at least five years.

A.—For Students beginning in Winter.

FIRST WINTER SESSION.

Chemistry.
Practical Chemistry.
Physics.¹
Anatomy.
Examination in Chemistry, including Practical Chemistry, and Physics.

FIRST SUMMER SESSION.

Botany.
Zoology.
Examination in Elementary Botany and Elementary Zoology.

SECOND WINTER SESSION.

Surgery.
Practical Anatomy.
Physiology.
Practical Physiology, or
Hospital and Clinical Surgery.

SECOND SUMMER SESSION.

Practical Materia Medica.
Hospital and Clinical Surgery.
Practical Physiology.
Practical Anatomy.

THIRD WINTER SESSION.

Anatomical Demonstrations.
Materia Medica.
Practical Anatomy.
Practical Physiology, or
Hospital and Clinical Surgery.
Examination in Anatomy, Physiology, and Materia Medica and Therapeutics. (The last may be postponed to the end of the following summer.)

THIRD SUMMER SESSION.

Practical Pathology.
Hospital and Clinical Medicine.
Examination in Materia Medica and Therapeutics (if not previously taken).

FOURTH WINTER SESSION.

Midwifery.
Pathology.
Hospital and Clinical Medicine.
Post-Mortems.
Medicine.
Dispensary.
Examination in Pathology.

¹Three months' course.

FOURTH SUMMER SESSION.

Forensic Medicine.
Public Health.
Ophthalmology.
Infective Fevers.
Diseases of Children; or
Larynx, Ear and Nose;
or Skin.
Hospital and Clinical Medicine
Dispensary.
Mental Diseases.

FIFTH WINTER SESSION.

Infective Fevers.

Hospital and Clinical Medicine
Vaccination.
Practical Midwifery.

SPRING VACATION AND FIFTH
SUMMER SESSION.

Operative Surgery.
*Examination in Surgery and
Clinical Surgery, Medicine
and Clinical Medicine, Mid-
wifery, Forensic Medicine,
and Public Health.*

B.—For Students beginning in Summer.

FIRST SUMMER SESSION.

Botany.
Zoology.
*Examination in Elementary
Botany and Zoology.*

FIRST WINTER SESSION.

Chemistry.
Practical Chemistry.
Physics.¹
Anatomy.
*Examination in Chemistry, in-
cluding Practical Chemistry
and Physics.*

SECOND SUMMER SESSION.

Practical Anatomy.
Practical Physiology (His-
tology).

SECOND WINTER SESSION.

Surgery.
Practical Anatomy.
Practical Physiology, or
Hospital and Clinical Surgery.
Physiology.

THIRD SUMMER SESSION.

Practical Materia Medica.
Practical Anatomy.
Hospital and Clinical Surgery.

THIRD WINTER SESSION.

Practical Anatomy.
Anatomical Demonstrations.
Materia Medica.
Practical Physiology, or
Hospital and Clinical Surgery.
*Examination in Anatomy,
Physiology, and Materia Med-
ica and Therapeutics. (The
last may be postponed to
the end of the following
Summer.)*

FOURTH SUMMER SESSION.

Practical Pathology.
Hospital and Clinical Medi-
cine.
Dispensary.

¹ Three months' course.

FOURTH WINTER SESSION.

Midwifery.
 Pathology.
 Hospital and Clinical Medicine.
 Post-mortems.
 Medicine.
 Dispensary.
Examination in Pathology.

FIFTH SUMMER SESSION.

Forensic Medicine.
 Public Health.
 Operative Surgery.
 Ophthalmology.
 Diseases of Children ; or,
 Larynx, Ear, and Nose ; or
 Skin.

Hospital and Clinical Medicine.
 Mental Diseases.
 Infective Fevers.

FIFTH WINTER SESSION.

Infective Fevers.
 Hospital and Clinical Medicine.
 Vaccination.
 Practical Midwifery.
Examination in Surgery and Clinical Surgery, Medicine and Clinical Medicine, Midwifery, Forensic Medicine, and Public Health.

REGULATIONS AS TO CLASS EXAMINATIONS.

With a view to promote the Educational interests of the students during the time they are occupied with the respective subjects in the Classes, the Senatus recommend :—

1. That there should be at least two Special Class-Examinations in the Classes in the Faculty of Medicine during each Session, conducted by means of questions and written answers, without aid from books or notes.

2. That in the event of a student gaining 75 per cent. or more of the available marks in any department, he shall obtain a Certificate in the First Class of Honours.

3. That in the event of a student gaining 50 per cent. or more, but less than 75 per cent., of the available marks in any department, he shall receive a Certificate in the Second Class of Honours.

University Bronze Medals are also given for Competitive Class Examinations.

CERTIFICATES OF ATTENDANCE ON CLASSES
IN THE FACULTY OF MEDICINE.

The Senatus Academicus have resolved that the Certificates of Attendance to be granted to students in the Faculty of Medicine shall be regulated in the following manner :—

Each Professor shall ascertain the presence of his pupils at least twenty-six times in a Course of six months' duration, and thirteen times in a Course of three months' duration.

Those who have been absent twelve or more times in a six months' Course, or six or more times in a three months' Course, or have not duly performed the work of the Class, including any Examinations that may be held, shall not be entitled to any Certificate.

The following is the form of Certificate which must be adopted in all cases :—

"I certify that Mr _____ attended my Course of Instruction
on _____ during the Session _____ ; that he was present on
_____ of the _____ occasions on which attendance was ascertained ; and that he duly performed the work of the class."

Exceptions will be admitted in the case of those who may be absent from sickness or other unavoidable causes, the particulars of which must be stated to the Professor in writing, accompanied with certificates. All excuses for non-attendance must be given in immediately upon the student returning to his class. If any student shall have been absent for six weeks or upwards in a Course of six months, or for three weeks in a Course of three months (whatever the cause of absence may be), his case must be transmitted to the Dean of the Faculty for the decision of the Faculty.

Whenever the student's cause for absence shall be admitted by the Professor or by the Faculty, the Certificate shall bear that he "attended," and shall state the amount of the irregularity and the nature of the excuse.

FIRST PROFESSIONAL EXAMINATION.

The Faculty of Medicine have resolved that the written and oral examinations on Chemistry, Elementary Botany, Elementary Zoology, and Physics shall be restricted in the following manner :—

1. *Chemistry*.—Chemical changes as distinguished from physical changes. Elements ; compounds ; mixtures. Laws of chemical combination by weight and by volume. The atomic theory. Atoms ; molecules. Avogadro's Hypothesis. Molecular weights of gaseous and volatile substances. Atomic weights. Law of Dulong and Petit. Chemical Notation—Symbols ; formulæ ; equations. Simple chemical calculations.

The non-metallic elements and their chief compounds ; especially the compounds of oxygen, of hydrogen, and of chlorine with the other non-metals. The more important inorganic acids. The atmosphere. Combustion. Oxidation and reduction.

The following metallic elements and their chief compounds; especially those with oxygen, with chlorine, and with sulphur: Gold, platinum, silver, mercury, lead, antimony, tin, copper, bismuth, zinc, cadmium, iron, aluminium, chromium, manganese, barium, strontium, calcium, magnesium, potassium, sodium.

The following salts: the ammonium salts; the more important sulphates, sulphites, thiosulphates, nitrates, nitrites, carbonates, bromides, iodides, iodates, phosphates, borates, silicates.

The relations of bases, acids, and salts. Electrolysis. Quantivalence. The periodic law.

The metallurgy of silver, mercury, copper, lead, tin, zinc, iron (including cast-iron and steel). Alloys, such as brass, bronze, solder, type-metal. Amalgams.

The manufacture of aluminium, magnesium, potassium, sodium, glass, porcelain, mortar, gunpowder, sulphuric acid, sodium carbonate and bicarbonate, caustic soda, bleaching powder and chlorates, white lead.

Classification of Carbon Compounds. Marsh Gas and its Homologues. Chloroform. Methyl and Ethyl Alcohols and Ethers. Substituted ammonias and ammonium salts. Formic and Acetic Acids, Aldehyde, Acetone, Chloral, Olefiant Gas, Acetylene, Oxalic Acid, Lactic Acid. Tartaric Acid, Citric Acid. Fats and Oils, Saponification, Glycerol. Cellulose, Sugars, Starch. Distillation of Wood and of Coal. Benzene, Benzoic Acid, Phenol, Salicylic Acid, Oil of Bitter Almonds. Hydrocyanic Acid, Cyanides, Cyanates, Thiocyanates, Urea, Uric Acid.

Practical Examination.—(a) Simple inorganic preparations on a small scale, especially such as involve the formation and decomposition of the commoner salts.

(b) The qualitative examination of single substances. The substances given for examination may be:—Salts in solution; solid salts soluble in water; carbonates, sulphides, and oxides, insoluble in water but soluble in acids; metals. The salts given are confined to those derived from the metallic and salt radicals named in the following lists:—

Silver, Mercurous, Mercuric, Cupric, Lead, Stannous, Cadmium, Bismuth, Antimony (*Tartar Emetic* may be given), Arsenious, Zinc, Manganous, Ferrous, Ferric, Chromic, Aluminium, Calcium, Barium, Strontium, Magnesium, Ammonium, Sodium, Potassium.

Carbonate, Sulphite, Thiosulphate, Sulphide, Hypochlorite (Bleaching solution), Nitrite, Chloride, Bromide, Iodide, Cyanide, Sulphate, Chromate, Orthophosphate, Arsenate, Arsenite, Borate, Oxalate, Nitrate, Chlorate, Acetate.

(c) Acidimetry and Alkalimetry.

(For fuller information see the *Practical Chemistry Class Book* "Salts and their Reactions," published by James Thin.)

2. *Elementary Botany*.—The characteristic features of the following groups and classes of the vegetable kingdom :—

Thallophyta [Schizophyta, Algæ, Fungi]; Bryophyta [Hepaticæ, Musci]; Pteridophyta [Filicineæ, Equisetineæ, Lycopodineæ]; Spermatophyta [Gymnospermæ, Angiospermæ (Monocotyledones, Dicotyledones)].

The fundamental facts and principles of Organography and Physiology. The characters of plants belonging to the following natural orders of Phanerogamæ :—Coniferæ, Gramineæ, Orchidæ, Liliaceæ, Urticaceæ, Labiatæ, Compositæ, Umbelliferæ, Rosaceæ, Leguminosæ, Cruciferæ, Ranunculaceæ.

3. *Elementary Zoology*.—An elementary knowledge of the Protozoa, Coelenterata, Annelida, Arthropoda, and Mollusca. A general knowledge of the structure and habits of the Pisces, Amphibia, Reptilia and Aves, and of the structure, habits, and distribution of the Mammalia. The fundamental facts as to (1) the structure, &c., of the cell, (2) Sexual and Asexual Reproduction, (3) Heredity and Variation, (4) Maturation, Fertilisation, and Segmentation of the Ovum, (5) the Development of Amphioxus and Scyllium and the foetal appendages of Birds and Mammals, and (6) Parasitism and Degeneration.

4. *Physics*.—(a) Properties of Matter—including Statics and Kinetics of Solid, Liquid, and Gaseous Bodies, Inertia, Gravitation, Molecular Forces, &c.

(b) Sound and Wave-propagation in general, Intensity, Pitch and Quality of Musical Sounds, Harmonics, Concords, Interference.

(c) Heat, its Nature, Effects, Measurement, Transference and Transformations—Measurement of Temperature and of absolute Temperature, Efficiency.

(d) Light, Laws of Reflection and Refraction, Mirrors, Lenses, and Microscopes, Production of Images in Conditions of Distinct Vision; Interference, Dispersion, Diffraction, Double Refraction, Polarisation, Spectrum Analysis.

(e) Electricity and Magnetism; Capacity Potential, Electromotive Force, Current, Resistance, Magnetic Field; Thermo-Electricity; Electrolysis; Batteries, Galvanometers, Voltmeters, Induction Coils, Dynamos, &c.

HONOURS AT PROFESSIONAL EXAMINATIONS.

Candidates who have displayed special merit at any of the Professional Examinations will be announced as having passed that Examination "with distinction."

Candidates who have displayed special merit at each of the Professional Examinations will be announced, at the time of Graduation, as having obtained FIRST or SECOND CLASS HONOURS, according to the merit that has been displayed.

SPONSIO ACADEMICA FOR GRADUATES IN MEDICINE.

Ego Doctoratus in Arte Medica titulo jam donandus, sancte coram Deo cordium scrutatore, spondeo, me in omni grati animi officio erga Universitatem Academicam Edinburgensem ad extremum vitæ halitum perseveraturum.

Tum porro Artem Medicam caute, caste, probeque exercitaturum, et quoad potero, omnia ad ægrotorum corporum salutem conducentia cum fide procuraturum. Quæ, denique, inter medendum visa vel audita sileri conveniat, non sine gravi causa vulgaturum.

Ita præsens spondenti adsit Numen.

REGULATIONS FOR THE DIPLOMA IN TROPICAL
MEDICINE AND HYGIENE (D.T.M. AND H.).

1. The University shall grant a Diploma in Tropical Medicine and Hygiene to Graduates in Medicine and Surgery of the University.

2. No Candidate shall be admitted to examination for this Diploma until a period of at least six months has elapsed since the Degrees in Medicine and Surgery had been obtained.

3. There shall be two periods of examination in each year, one in January and the other in July; and no Candidate shall be eligible who is not Matriculated for the year.

4. Before admission to examination, the Candidate must present evidence satisfactory to the Faculty of Medicine of having attended courses of instruction of not less than three months' duration in each of the following :—(1) Practical Bacteriology (including the pathogenic micro-organisms of tropical diseases and their cultivation, the preparation of culture media and the examination of blood), (2) Diseases of Tropical Climates (including parasitic tropical diseases and poisoned weapons), and (3) Tropical Hygiene (including general and personal sanitation and practical laboratory work in the examination of water, food, and beverages, and in the application of disinfectants); of having attended, during at least one month, a practical course of instruction on the zoological characters and life-history of disease-carrying insects and of venomous animals; and of having attended, during a period of at least six months, a course of Clinical instruction in Tropical Diseases in an hospital or hospitals receiving patients suffering from these diseases, of which at least three months must be taken after graduation in Medicine and Surgery.

5. Provision shall be made in the University for instruction in the above subjects, but any two of them may be taken under Extra-Academical Teachers, recognised for the purpose by the University

Court¹; and it shall also be competent for the Faculty of Medicine to exempt any Candidate from attendance on the last-mentioned course of instruction who has been engaged for a period of at least twelve months in the treatment of Tropical Diseases in any tropical or sub-tropical country.

6. Candidates shall also be required to produce certificates of proficiency in the making of *post-mortem* examinations and in the preparing of reports on them.³

7. No certificate of instruction shall be accepted which does not bear that the Candidate not only attended the course of instruction with regularity, but also performed the work of the course in a meritorious manner.

8. The examinations shall be written, oral and practical, and shall be on the above subjects of instruction; and the Examiners shall be the Professors and other University Teachers of the subjects, and the additional Examiners in Pathology, Medicine, Public Health Laboratory Work and Clinical Medicine.

9. Candidates shall appear for all the subjects of examination on the first occasion of presenting themselves for examination, and any Candidates who fail to pass the entire examination within a period of twelve months after a first appearance, shall be required to reappear for all the subjects on again presenting themselves for examination.

10. If any Candidate fail to pass in any part or parts of the examination, it shall be competent for the Faculty of Medicine, on the recommendation of the Examiners, to require the Candidate again to attend any course or courses of instruction before being readmitted to examination.

REGULATIONS FOR SPECIAL CERTIFICATE IN DISEASES OF TROPICAL CLIMATES, OPEN TO MEN AND WOMEN.²

1. Each Course of Instruction shall be open to (1) Qualified Medical Practitioners; (2) Students who have completed the Curriculum for the Final Examination in Medicine of any of the Qualifying Medical Authorities; and (3) others specially interested in the subject.

2. Certificates of attendance will be granted as follows:—(a) A Class Certificate to each member of the Class who has

¹ Teacher recognised under this Section. Major D. G. Marshall, Edinburgh.

² To obtain this Special Certificate or Class Certificates the full matriculation fee (£1, 1s.) must be paid.

³ In Edinburgh, opportunities for fulfilling these conditions are best obtained during the Christmas, Spring, and Autumn vacations.

performed the work of the Class in a satisfactory manner; (b) A University Certificate by the Dean of the Faculty of Medicine to each member of the Class who besides having attended the course of instruction in Tropical Diseases, has attended a course of instruction on Pathological Bacteriology, including the Micro-organisms of Tropical Diseases, and who has performed the work of both of these Classes in a satisfactory manner. This Certificate shall be based on evidence received from the Lecturers on Pathological Bacteriology and Tropical Diseases.

FEEES FOR EXAMINATIONS.

FEEES FOR M.B. AND CH.B.

Fee for the First Division of the Examination, viz., Botany, Zoology, Physics, and Chemistry . . .	£6 6 0
<i>or</i>	
For any two of the subjects . . .	£3 3 0
For the other two subjects . . .	3 3 0
For the Second Division, viz., Anatomy, Physiology, and Materia Medica and Therapeutics . . .	6 6 0
<i>or</i>	
For Anatomy and Physiology . . .	£4 4 0
For Materia Medica and Therapeutics . . .	2 2 0
For the Third Division, viz., Pathology . . .	2 2 0
For the Final Division, viz., Surgery and Clinical Surgery, Medicine and Clinical Medicine, Mid- wifery, Forensic Medicine, and Public Health ¹ .	8 8 0
	<u>£23 2 0</u>

Any Candidate who fails to pass in one or more of the subjects, must pay £1, 1s. for re-examination in each subject. (Surgery and Clinical Surgery count as two subjects, Medicine and Clinical Medicine as two subjects, and Forensic Medicine and Public Health as two subjects.)

Candidates who, under the proviso in Section XI. of the Regulations, are exempted from the first division of the Examination, are required, after passing the final division of the Examination, to pay a fee of £6, 6s. before they can be admitted to the Degrees of M.B. and Ch.B.

Fee for M.D.	£10 10 0
Fee for Ch.M.	10 10 0

¹ Fee for Final Examination, if Forensic Medicine and Public Health have been taken in the Third Examination, £6, 6s.

Any Candidate who fails to pass the Examinations for the Degree of M.D. or for the Degree of Ch.M., is required to pay a Fee of £5, 5s. for each re-appearance.

Every Candidate for Examination or Graduation must be a Matriculated Student of the year in which he appears for Examination or Graduation. He is also required before Graduation to pay the fee of £1 for Registration as a Member of the General Council, if not already a Member.

TIME-TABLES OF EXAMINATIONS.

Candidates are required to enter for each periodical Professional Examination at which they desire to appear, and to state the subject or subjects in which they desire to be examined.

The dates of the Examinations for 1906-1907 have been fixed as follows, and the Examinations will take place in the Examination Hall at the University.

PRELIMINARY EXAMINATION.

See Time-Table and Dates of Entering, &c., pages 450 and 451.

PROFESSIONAL EXAMINATIONS.

Candidates are required to enter their names and to pay the fees for the Examinations at the Matriculation Office, University (Old) Buildings, at the stated periods; and afterwards, at the stated periods, to exhibit their Certificates and Matriculation Cards at that Office. Certificates only will be received as evidence of attendance.

If names are not entered, Fees paid, and Certificates shown, or Theses lodged, on or before the stated dates (or a Pass obtained in the case of the fee having been previously paid), a late-entry fee of ten shillings must be paid before the Candidate can be admitted to any one of the Four Professional Examinations for M.B., or to the Professional Examinations for M.D. or Ch.M. Candidates may enter on payment of this fee till 4 P.M. on the third day previous to the commencement of the respective Examinations. Thereafter a late-entry fee of twenty shillings will be charged till twelve noon of the day preceding the commencement of any one of the Professional Examinations. No later entry will be received.

Theses for the degrees of M.D. and Ch.M. can only be lodged later than the appointed date (30th April) by getting special permission from the Dean to do so, and the utmost extension that will be given is ten days. Theses so lodged are not eligible for competition for medals or other awards. The late entry fee of 10s. will also be payable.

If, after payment of the fee, a candidate withdraws his name, or fails to present himself at the examination, he will not receive back the

462 *Graduation in Medicine—Dates of Examinations.*

fee, but will be allowed to enter on one subsequent occasion for examination in the same subject, without the payment of any additional fee.

Where a candidate appears for part of an Examination, but fails to appear for another part for which he had entered, without giving notice of his intention not to appear, he will be held to have failed in the part for which he entered but did not appear.

FIRST PROFESSIONAL EXAMINATION.

This Examination takes place in March and July. Candidates may be admitted to Examination in all or in any two subjects, after they have attended a full course in each of the subjects professed.

1907.

Mar. 14. Th. Names to be given in, and Fees paid, Friday, 8th March, to this date.

„ 22. Fri. Certificates to be examined from 10 to 3.

*Written Examinations.*¹

„ 25. Mon. Chemistry at 10 o'clock ; Physics at 1 o'clock.

„ 26. Tu. Zoology at 10 o'clock ; Botany at 1 o'clock.

July 5. Fri. Names to be given in, and Fees paid, Monday, 1st July, to this date.

„ 17. Wed. Certificates to be examined from 10 to 3.

*Written Examinations.*¹

„ 18. Th. Chemistry at 10 o'clock ; Physics at 1 o'clock.

„ 19. Fri. Zoology at 10 o'clock ; Botany at 1 o'clock.

SECOND PROFESSIONAL EXAMINATION.

This Examination takes place in March and July. Candidates who have passed the First Examination may be admitted to this Examination at the end of their Third Winter Session, on production of certificates of attendance on the Classes in the three subjects of this Examination.

Mar. 20. Wed. Names to be given in, and Fees paid Friday, 15th March, to this date.

„ 23. Sat. Certificates to be examined from 10 to 1.

*Written Examinations.*¹

„ 27. Wed. Anatomy at 10 o'clock ; Physiology at 1 o'clock.

„ 28. Th. Materia Medica and Therapeutics at 10 o'clock.

Candidates may postpone their Examination in Materia Medica and Therapeutics until the close of the Summer Session following.

¹ Lists of days and hours for the Oral Examinations, and for the Practical Chemistry Examination, will be posted at the University as soon as arranged.

Graduation in Medicine—Dates of Examinations. 463

1907.

July 12. Fri. Names to be given in, and Fees paid, Wednesday, 10th July, to this date.

„ 20. Sat. Certificates to be examined from 10 to 1.

*Written Examinations.*¹

„ 22. Mon. Anatomy at 10 o'clock ; Physiology at 1 o'clock.

„ 23. Tu. Materia Medica and Therapeutics at 10 o'clock.

THIRD PROFESSIONAL EXAMINATION.

This Examination takes place in March and July, and Candidates who have passed the Second Examination may be admitted to this Examination at the end of their Fourth Winter Session, on production of certificates of attendance on the Classes.

Mar. 25. Mon. Names to be given in, and Fees paid, Thursday, 21st March, to this date.

„ 26. Tu. Certificates to be examined from 10 to 1.

*Written Examination.*¹

„ 28. Th. Pathology at 1 o'clock.

July 19. Fri. Names to be given in, and Fees paid, Wednesday, 17th July, to this date.

„ 23. Tu. Certificates to be examined from 10 to 1.

*Written Examination.*¹

„ 24. Wed. Pathology at 10.

FOURTH OR FINAL PROFESSIONAL EXAMINATION.

This Examination takes place in May and June, and may be taken when the Candidate has passed the Third Examination, and has completed his Fifth year of Medical Study.

April 18. Th. Names to be given in, and Fees paid, Wednesday, 10th April, to this date.

„ 24. Wed. } Certificates to be examined from 10 to 1.
„ 25. Th. }

*Written Examinations.*¹

May 3. Fri. Clinical Medicine Examination begins.

„ 24. Fri. Clinical Surgery Examination begins.

June 10. Mon. Medicine at 10 o'clock ; Midwifery at 1 o'clock.

„ 11. Tu. Surgery at 10 o'clock ; Forensic Medicine, 1 to 2.30 ; Public Health, 3 to 4.30.

DEGREE OF DOCTOR OF MEDICINE.²

April 30. Tu. Theses to be lodged, Certificates shown, and Fees paid *on or before* this date.

¹ See footnote, page 462.

² See Regulations as to entering for Examinations, page 461.

464 *Graduation in Medicine—Dates of Examinations.*

Written Examinations.

1907.

June	14.	Fri.	Names to be entered and Fees paid by Candidates for Clinical Examination only, <i>on or before</i> this date.
,,	28.	Fri.	} Clinical Medicine Examination begins at 9.45 A.M. each day for first section of candidates.
,,	29.	Sat.	
July	1.	Mon.	} Clinical Medicine Examination begins at 9.45 A.M. each day for second section of candidates.
,,	2.	Tu.	

DEGREE OF MASTER OF SURGERY.¹

April	30.	Tu.	Theses to be lodged, Certificates shown, and Fees paid <i>on or before</i> this date.
-------	-----	-----	---

Written Examinations.

June	14.	Fri.	Names to be entered and Fees paid by Candidates for Clinical Examination only, <i>on or before</i> this date.
,,	28.	Fri.	Surgical Anatomy, Operations on the dead body. Clinical Surgery Examinations begin.
July	12.	Fri.	Names to be given in for Graduation, and the Registration Fee (if not previously registered) paid <i>on or before</i> this date.
,,	26.	Fri.	GRADUATION CEREMONIAL at 10 A.M. Graduands to assemble at 8.30 A.M.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE.

FEES FOR FIRST AND SUBSEQUENT APPEARANCES.

Practical Bacteriology	£1	1	0
Diseases of Tropical Climates (including disease-carrying insects and venomous animals)	1	1	0
Tropical Hygiene	1	1	0
Tropical Clinical Medicine	1	1	0
	£4	4	0

1907.

Jan.	17.	Th.	Names to be entered, Certificates shown, and Fees paid <i>on or before</i> this date. After this date a late entry fee of 10s. will be charged.
------	-----	-----	---

Written Examinations.

,,	22.	Tu.	Tropical Clinical Medicine, 10 A.M.
,,	,,	Tu.	Diseases of Tropical Climates (including Medical Entomology and Protozoology), 1-4.

¹ See Regulations as to entering for Examinations, page 461.

1907.

Jan.	23.	Wed.	Tropical Hygiene, 10 A.M.
"	"	Wed.	Practical Bacteriology, 1 P.M.
July	11.	Th.	Names to be entered, Certificates shown, and Fees paid <i>on or before</i> this date. After this date a late entry fee of 10s. will be charged.
"	16.	Tu.	Tropical Clinical Medicine, 10 A.M.
"	"	Tu.	Diseases of Tropical Climates (including Medical Entomology and Protozoology), 1-4.
"	17.	Wed.	Tropical Hygiene, 10 A.M.
"	"	Wed.	Practical Bacteriology, 1 P.M.

Information relative to Matriculation and the Curriculum of Study, and the Subjects of Examinations for Degrees in Medicine and Surgery, and for Fellowships, Scholarships, Bursaries, Prizes, &c. &c., may be obtained on application to the Dean of the Faculty of Medicine, University New Buildings.

The fees for Matriculation, for Examinations for Degrees, and for Registration as Member of the General Council of the University, are payable at the *Matriculation Office, University (Old) Buildings*. Candidates may pay the fees personally, or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed "*Union Bank of Scotland (Hunter Square Branch), Edinburgh*," but not by cheques on private accounts. A Candidate is not held to be entered until his schedule is lodged, the fee paid, and a pass to the Examination obtained.

EXTRA-ACADEMICAL LECTURERS IN MEDICINE WHOSE COURSES OF INSTRUCTION UNDER ORDINANCE No. 16 QUALIFY FOR GRADUATION IN THIS UNIVERSITY.

REGULATIONS OF THE UNIVERSITY COURT RELATIVE TO CERTIFICATES OF ATTENDANCE.

The Certificate of Attendance granted to Students by recognised Extra-Academical Teachers, should, in all cases, state the number of Lectures, or of Meetings for Practical Instruction, in the Course; the number of occasions on which attendance was ascertained; and the number of those occasions on which the Student was present, and in what further respects he duly performed the work of the class. The Certificate should also state the general scope of the Course; and, in particular, in the case of *Chemistry*, that the Course included Organic as well as Inorganic Chemistry; in the case of *Midwifery*, that it included the Diseases of Women and Children; and, in the case of *Practical Materia Medica*, that it included Pharmacognosy, Pharmacy, Dispensing, and the writing of Prescriptions.

ABERYSTWYTH.

		<i>Date of Recognition.</i>
J. R. Ainsworth Davis, M.A.,	Natural History,	28 July 1886.
D. Morgan Lewis,	Physics,	16 July 1894.
J. J. Sudborough, D.Sc.,	{ Chemistry & Prac- tical Chemistry, }	20 Oct. 1902.
Ph.D.		
R. H. Yapp, M.A.,	Botany,	10 March 1904.

BANGOR.

Reginald W. Phillips, M.A.,	Botany,	30 May 1885.
Philip J. White, M.B.,	Natural History,	9 Dec. 1889.

BELFAST.

Gregg Wilson, M.A., D.Sc.,	Zoology,	12 Jan. 1903.
----------------------------	----------	---------------

CARDIFF.

John Berry Haycraft, M.D.,	Physiology,	16 July 1894.
David Hepburn, M.D.,	{ Anatomy & Prac- tical Anatomy, }	19 Oct. 1903.
J. V. Jones, M.A., B.Sc.,		
W. N. Parker, Ph.D.,	Physics,	16 July 1894.
Arthur L. Selby, M.A.,	Natural History,	28 July 1886.
Claude M. Thompson, M.A.,	Physics,	21 Oct. 1895.
D.Sc.,	{ Chemistry & Prac- tical Chemistry, }	28 July 1886.
<i>(Lecture Course may be divided between two consecutive Sessions.)</i>		
A. H. Trow, B.Sc.,	Botany,	16 July 1894.

CORK.

J. J. Charles, M.D., D.Sc.,	{ Anatomy, Do. Systematic, Do. Practical, }	24 Oct. 1904.
<i>(Certificate to include attendance on any two of the Lecturer's Three Courses.)</i>		

Marcus Hartog, M.D., D.Sc.,	Zoology,	18 Mar. 1895.
-----------------------------	----------	---------------

DUBLIN.

Chs. R. C. Tichborne, Ph.D.,	Practical Chemistry,	28 Feb. 1881.
------------------------------	----------------------	---------------

EDINBURGH.

J. W. Ballantyne, M.D.,	Midwifery,	13 Dec. 1897.
Byrom Bramwell, M.D.,	Practice of Physic,	18 Oct. 1880.

Graduation in Medicine—Extra-Academical Teachers. 467

EDINBURGH— <i>continued.</i>		Date of Recognition.
Alexander Bruce, M.D.,	{ Practice of Medi- cine,	18 Feb. 1901.
A. G. Bruce,	{ Practical Materia Medica,	18 June 1894.
Francis M. Caird, M.B., C.M.,	{ Surgery,	13 August 1886.
Wm. Craig, M.D.,	{ Materia Medica & Prac. Materia Med.	14 July 1879.
T. W. Drinkwater, Ph.D.	{ Chemistry and Practical Chemistry,	8 March 1880. 14 July 1879.
William Duncan,	Prac. Materia Med.,	12 April 1886.
R. A. Fleming, M.A., M.D.,	Medicine,	13 Dec. 1897.
W. Fordyce, M.D.,	Midwifery,	24 Oct. 1904.
E. S. Fry, M.B.,	{ Practical Materia Medica,	21 Oct. 1895.
G. H. Gemmell,	Practical Chemistry,	13 May 1901.
George A. Gibson, M.D.,	Practice of Physic,	9 Dec. 1889.
David Berry Hart, M.D.,	Midwifery,	22 Oct. 1894.
F. W. N. Haultain, M.D.,	Midwifery,	15 June 1891.
J. W. B. Hodsdon, M.D.,	Surgery,	3 August 1888.
John Hunter, F.I.C., &c.,	{ Chemistry & Prac- tical Chemistry,	2 Oct. 1894.
Alex. James, M.D.,	Practice of Medicine,	3 August 1888.
James Kerr, B.Sc.,	{ Chemistry & Prac- tical Chemistry,	20 Oct. 1902.
J. Falconer King, F.C.S.,	Practical Chemistry,	12 Nov. 1894.
J. Lamond Lackie, M.D.,	Midwifery,	19 Oct. 1903.
Malcolm Laurie, D.Sc.,	Zoology,	14 Dec. 1903.
Charles Jas. Lewis, M.D.,	Public Health,	14 July 1902.
Stuart M'Donald, M.B.	{ Pathology & Prac- tical Pathology,	17 June 1901.
Alex. Miles, M.D.,	Surgery,	14 Oct. 1901.
D. Noël Paton, M.D.,	{ Physiology and Prac. Physiology,	24 Oct. 1887. 19 March 1888.
R. W. Philip, M.D.,	Medicine,	16 July 1894.
George M. Robertson, M.B.,	Mental Diseases,	16 Oct. 1899.
W. G. Aitchison Robertson, M.D.,	{ Public Health,	10 April 1897.
A. A. Scot Skirving, M.B., C.M.,	{ Surgery,	15 Dec. 1902.
Theodore Shennan, M.D.,	Pathology,	16 Oct. 1899.
W. G. Sym, M.D.,	Diseases of the Eye,	13 Nov. 1905.
James Adam Terras, B.Sc.,	Botany,	12 Dec. 1898.
Alexis Thomson, M.D.,	Surgery,	30 Oct. 1893.
Dawson F. D. Turner, M.D.,	Physics,	20 March 1893.
David Wallace, M.B.,	Surgery,	14 Dec. 1896.

468 *Graduation in Medicine—Extra-Academical Teachers.*

EDINBURGH— <i>continued.</i>		<i>Date of Recognition.</i>
J. R. Whitaker, M.B.,	Anatomy,	16 July 1894.
William Wood, M.B.,	{ Materia Medica,	27 March 1902.
	{ Do., Practical,	15 June 1893.

GLASGOW.

A. M. Buchanan, M.D.,	{ Anatomy and Prac-	} 12 Oct. 1874.
	{ tical Anatomy,	
H. E. Clark, M.D.,	Surgery,	12 Feb. 1894.
John Edgar, M.D., B.Sc.,	Midwifery,	14 Dec. 1896.
R. Barclay Ness, M.A., M.B.,	{ Practice of Medi-	} 17 July 1905.
	{ cine,	

LIVERPOOL.

J. Wigglesworth and the	{ Mental Diseases,	18 Dec. 1899.
Lancashire County Asylum,		

LONDON.

Christopher Addison, M.D.,	Anatomy,	12 Dec. 1898.
H. E. Armstrong, Ph.D.,	{ Chemistry,	} 25 Oct. 1897.
F.R.S.,		
W. E. Ayrton, F.R.S.,	{ Physics,	}
(Lecturers in the City and Guilds of London Institute.)		

(Courses to include First and Second Years of Study.)

Albert Griffiths, D.Sc.,	{ Physics,	17 June 1901.
(Lecturer Birkbeck Instit.)		

NOTTINGHAM.

J. W. Carr, M.A.,	Botany,	16 Jan. 1893.
H. H. Swinnerton, D.Sc.,	Zoology,	19 Oct. 1903.

SHEFFIELD.

Alfred Denny,	Zoology,	13 Feb. 1905.
<i>(Certificate to include attendance on Elementary Zoology and Lecture Course on Vertebrates.)</i>		

W. M. Hicks, D.Sc., F.R.S.,	Physics,	} 13 Feb. 1905.
J. S. Macdonald, B.A.,	Physiology,	
W. Palmer Wynne, D.Sc.,	{ Chemistry & Prac-	
	{ tical Chemistry,	

SOUTHAMPTON.

F. Cavers, D.Sc.,	Botany,	} 13 Feb. 1905.
S. W. Richardson, D.Sc.,	Physics,	
D. R. Boyd, D.Sc., Ph.D.,	Chemistry,	

CAPE COLONY.

1. SOUTH AFRICAN COLLEGE, CAPE TOWN.

P. D. Hahn, Ph.D., M.A.	{ Chem. (Theoretical and Practical),	{ 22 Oct. 1900.
J. C. Beattie, D.Sc., and Alex. Brown, B.Sc., con-jointly,	{ Courses in Physics and Applied Mathematics,	{ 16 May 1904.
<i>Attendance on both Courses required for a QUALIFYING CERTIFICATE IN PHYSICS.</i>		
Arthur Dendy, D.Sc.,	Zoology,	16 May 1904.
Dr J. D. F. Gilchrist,	Zoology,	18 Dec. 1905.

2. VICTORIA COLLEGE, STELLENBOSCH.

Robert Broom, B.Sc., M.D.,	Zoology,	14 March 1904.
B. de St. J. Van der Reit, M.A., Ph.D.	{ Chemistry,	{ 14 March 1904.
<i>(Certificate to include attendance on the Organic, Inorganic, and Practical Departments of the Course.)</i>		
J. T. Morrison, M.A., B.Sc.,	Physics,	16 May 1904.
Miss A. V. Duthie, B.A.,	Botany,	16 Jan. 1905.
H. H. W. Pearson, M.A.,	Botany,	16 May 1904.

RHODES UNIVERSITY COLLEGE.

George E. Cory, M.A.,	Chemistry, ¹	{ 13 Nov. 1905.
A. Ogg, M.A., B.Sc.,	Physics,	
S. Shönland, Ph.D.,	Botany, ¹	

NATAL.

S. R. Edminson, B.Sc.,	{ Organic and Inor-	{ 12 Feb. 1906.
Maritzburg College,	{ ganic Chemistry,	{
Horace A. Wager, Maritzburg College,	{ Botany,	{ 12 Feb. 1906.
Dr Ernest Warren, Maritzburg,	Zoology,	18 Dec. 1905.

B.—ABRIDGED REGULATIONS FOR GRADUATION IN MEDICINE AND SURGERY, APPLICABLE TO ALL WHO COMMENCED THEIR MEDICAL STUDIES BEFORE 1ST OCTOBER 1892.

For full Regulations see CALENDAR for 1898-99 or previous CALENDARS.

Three Degrees are conferred—viz., Bachelor of Medicine (M.B.), Master in Surgery (C.M.), and Doctor of Medicine (M.D.).

¹ The qualifying Courses are those for the Intermediate and for the B.A. Examinations of the University of the Cape of Good Hope.

DEGREES OF BACHELOR OF MEDICINE AND MASTER IN SURGERY (M.B., C.M.).

*Preliminary Examination.*¹—The preliminary subjects of examination are English, Latin, Arithmetic, the Elements of Mathematics, and the Elements of Mechanics; and any two of Greek, French, German, Higher Mathematics, Natural Philosophy, Logic, Moral Philosophy. The examinations in English, Latin, Arithmetic, and Mathematics, are the same as in English, Latin, and Mathematics (which includes Arithmetic) for M.B., Ch.B.; and the examination in Mechanics is the same as that in Dynamics in the Arts and Science Preliminary Examinations.

See Time-Table of Examinations, Dates of Entering and Payment of Fees, &c., pp. 450 and 451.

Professional Education.—The chief differences between the Old and New Regulations are :—Candidates for Graduation under the Old Regulations are not required to attend courses on Physics, Mental Diseases, Diseases of the Eye, Diseases of Children, Diseases of the Larynx, Ear and Nose, Clinical Instruction in Fevers, Post-Mortem Examinations, Clerking and Dressing in a Public Hospital, Diseases of the Skin. In Practical Anatomy they are only required to attend a five months' course; in Clinical Medicine and Clinical Surgery one course of five months, or two courses of three months each, and Hospital attendance for twenty-four months.

Professional Examinations.—The only differences are:—Candidates under the Old Regulations are not examined in Physics in the First Professional Examination. The Regulations for entering for the First and Second Professional Examinations, and for payment of Fees are the same as for M.B., Ch.B. The Examinations in Pathology are held at the same time as the Examinations in that subject for M.B., Ch.B.; *but the regulations for entering and payment of Fees are as for the Second Professional Examination.* The examinations in the subjects of the Final Examination take place at the same time as in the corresponding subjects for M.B., Ch.B. Names to be entered and fees paid on or before 18th April. See Time Table of Examinations, pp. 461-465.

Otherwise the Regulations are the same as for M.B., Ch.B. For further information apply to the Dean of the Faculty.

¹ The Dean of the Faculty will give information regarding examinations which exempt from the Preliminary Examination; and see also CALENDAR for 1892-93, and previous CALENDARS.

Optional Preliminary Subjects of Examination under the Old Regulations for Bachelors of Medicine and Masters in Surgery (M.B., C.M.) who intend to proceed to the Degree of Doctor of Medicine, and for those who commenced the Study of Medicine by attendance on Medical Classes before 1st October 1892, for Autumn 1906 and Spring 1907 inclusively.

Each Candidate is required to pay a fee of 10s. 6d. for each appearance at the Preliminary Examination.

1. GREEK.—Xenophon, *Cyropaedia*, Book II. Questions on Elementary Greek Grammar. Some easy sentences of English will be set to be translated into Greek.

2. FRENCH.—Alphonse Daudet's *Le petit Chose, première partie* (Hachette & Co.). Questions on Elementary French. An easy passage in English will be given for translation into French.

3. GERMAN.—Homann, *Deutsche Märchen*, Nos. 8-14. Questions on Elementary German. An easy passage in English will be given for translation into German.

4. HIGHER MATHEMATICS.—Same as Higher Mathematics for the Preliminary Examination for the Degree of M.A.

5. NATURAL PHILOSOPHY.—(1) Properties of matter—Elasticity, Density, Capillarity, &c. (2) Elementary phenomena of Sound, Light, Heat, Electricity, and Magnetism. Text-Books recommended—Ballour Stewart's *Elementary Physics*, and Tait's *Properties of Matter*.

6. LOGIC.—The Elements of Deductive and Inductive Logic, as in Jevons's *Elementary Lessons*.

7. MORAL PHILOSOPHY.—Professor Seth's *Ethical Principles*, Introduction and Part I.

DEGREE OF DOCTOR OF MEDICINE.¹

XVII. The Degree of DOCTOR OF MEDICINE may be conferred on any candidate who has obtained the Degrees of Bachelor of Medicine and Master in Surgery, and is of the age of twenty-four years, and produces a certificate of having been engaged subsequently to his having received the Degrees of Bachelor of Medicine and Master in Surgery, for at least two years in attendance on an Hospital, or in the Military or Naval Medical Services, or in Medical and Surgical Practice:

Provided always that the Degree of Doctor of Medicine shall not be conferred on any person, unless he be a Graduate in Arts of one of the Universities of England, Scotland, or Ireland, or of such other Universities as have been specially recognised for that purpose, or unless he shall, before or at the time of his obtaining the Degrees of Bachelor of Medicine and Master in

¹ Candidates for M.D. under Old Regulations, who have not passed all the required Preliminary subjects may, if they prefer to do so, take the examinations in Clinical Medicine and graduate under the new Regulations. (See pp. 445-447.)

Surgery, or thereafter, have passed a satisfactory examination in Greek, and in either Logic or Moral Philosophy, and in one of the following subjects at the option of the Candidate—namely, French, German, Higher Mathematics, and Natural Philosophy.

And provided also that the candidate for the Degree of Doctor of Medicine shall submit to the Faculty of Medicine a Thesis, certified by him to have been composed by himself, and which shall be approved by the Faculty, on any branch of knowledge comprised in the professional examinations for the Degrees of Bachelor of Medicine and Master in Surgery, which he may have made a subject of study after having received those Degrees. The Candidate must lodge his Thesis with the Dean on or before 30th April of the year in which he proposes to graduate. No Thesis will be approved by the Medical Faculty which does not contain either the results of original observations in practical Medicine, Surgery, Midwifery, or in some of the sciences embraced in the curriculum for the Bachelor's and Master's Degrees; or else a full digest and critical exposition of the opinions and researches of others on the subject selected by the Candidate, accompanied by precise references to the publications quoted, so that due verification may be facilitated.¹

Candidates, settled for a period of years in foreign parts, who have complied with all the regulations for the Degree of M.D., but who cannot appear personally to receive the Degree, may, on satisfying the Senatus to that effect, by production of sufficient official testimonials, have the Degree conferred on them in absence.

FEES FOR DEGREES, &c.

Examination in Botany, Chemistry, Chemical Testing, Natural History, ...	£5 5 0
Examination in Anatomy, Institutes of Medicine, Materia Medica, Prescriptions, Pathology, ...	5 5 0
Final Examination in Surgery, Midwifery, Practice of Physic, Forensic Medicine and Public Health, Clinical Medicine (with Prescriptions), Clinical Surgery, during last Summer Session, ...	10 10 0
Total Fees for M.B. and C.M. Diplomas, ...	£21 0 0
Fee for M.D., ...	£5 5 0
Matriculation Fee, ...	1 1 0

¹ Candidates are required to write their Theses on faint lined paper, 11 in. by 8½ in. with margins 1½ in. at each side. The Thesis is to be written on one side of each leaf only. There is no regulation as to length of Theses.

In the event of the Candidate failing to pass any one of the Professional Examinations, the Fee is not returned ; but he may appear at one subsequent examination without paying an extra Fee, and at any future examination on paying a Fee of £2, 12s. 6d.

1907.

- | | | |
|-----------|------|---|
| April 30. | Tu. | Theses to be given in, Certificates shown, and Fees paid <i>on or before</i> this date. |
| July 12. | Fri. | Names to be given in for Graduation <i>on or before</i> this date. ¹ |
| „ 26. | Fri. | GRADUATION CEREMONIAL at 10 A.M. Graduands are required to assemble at 8.30 A.M. |

REGULATIONS FOR SPECIAL STUDY AND RESEARCH, AND FOR THE APPOINTMENT OF RESEARCH FELLOWS, &c. See page 129.

REGULATIONS FOR THE DEGREE OF D.Sc., &c. See page 130.

DOCTORS OF MEDICINE

WHO HAVE BEEN AWARDED GOLD MEDALS FOR THEIR THESES FROM 1889 TO 1905 INCLUSIVELY.²

1889.

Herbert H. Ashdown, England
John W. Ballantyne, Scotland
Arthur J. M'D. Bentley, England
Kenneth M. Douglas, Scotland
Thomas A. Helme, England
Henry Alexis Thomson, Scotland
Joseph Tillie, Scotland
Herbert F. Waterhouse, England

1890.

Joseph Griffiths, Wales
Robert Muir, Scotland
George Edmund Piercz, Ceylon
W. G. A. Robertson, Scotland
Arthur Robinson, England
John David Williams, Wales

1891.

Edmund W. W. Carlier, England
Vaughan Berkeley Harley, England
David Hepburn, Scotland
Alexander Miles, Scotland
James Ritchie, Scotland
George Neil Stewart, Scotland
John Clarence Webster, Canada

1892.

George Sandison Brock, Scotland
Alex. Lockhart Gillespie, Scotland
William Aldren Turner, Scotland
Arthur John Whiting, England
Theodore Stacey Wilson, England

¹ See Regulations as to entering for Examinations, page 461.

² The names of those who received Gold Medals prior to 1859 will be found in the List of Graduates in Medicine of the University of Edinburgh since its foundation, published in 1867, and the names of those who received Gold Medals from 1856 to 1883, both years included, will be found in the Historical Appendix to List of Graduates, published in 1889, pp. 128, 129.

1893.

Francis Darby Boyd, Scotland
James Samuel Risien Russell,
Demerara
James Lorrain Smith, Scotland
John Cleasby Taylor, England
William Ernest Francis Thomson,
Scotland

1894.

Lewis Campbell Bruce, Scotland
William Menzies Hutton, Scotland
Gustav Mann, India
James Acworth Menzies, Scotland
John Douglas Stanley, Ireland

1895.

Frank Leigh Ehrke, England
Wilfred Vincent Miller Koch,
Ceylon
James Ritchie, Scotland
Andrew Walker, Scotland

1896.

Robert Swan Aitchison, Scotland
William Elder, Scotland
Robert Alex. Fleming, Scotland
Claude Buchanan Ker, England
John Macpherson, Scotland
Thomas Hugh Milroy, Scotland
George Robert Wilson, Scotland

1897.

Friedrich Wilhelm Eurich, M.D.,
Saxony
William Edward Fothergill, M.D.,
England
Thomas Alexander Wemyss Ful-
ton, M.D., Scotland
David Arthur Welsh, M.D., Scot.

1898.

Andrew Balfour, M.D.
Alexander Corsar Sturrock, M.D.

1899.

Robert William Beesley, M.D.,
England
Dina Nath Prithu Datta, M.D.,
India
Percy Theodore Herring, M.D.,
England

Jessie MacLaren MacGregor,
M.D., Scotland
John Malcolm, M.D., Scotland
William John Munro, M.D.,
Australia

1900.

Walter William Chipman (B.A.),
M.D., Canada
David James Galloway, M.D.,
Scotland
David Waterston, M.A., M.D.,
Scotland

1901.

James Martin Beattie, M.D.
Thomas Hastie Bryce, M.D.
Evan John Hewat Fraser, M.D.
Alfred Charles Standstein, M.D.
Sutherland Simpson, M.D.
Donald Bremner Waters, M.D.

1902.

Ernest Francis Bashford, M.D.,
England
Emil Paul Baumann, M.D., South
Africa
David Barty King (M.A.), M.D.,
Scotland
Robert M'William Leith, M.D.,
Cape Colony
John Alexander Milroy (M.A.),
M.D., Scotland
Robert Pugh, M.D., Wales

1903.

Archibald Fawns Cameron, M.D.,
Scotland
George Lyon, M.D., Scotland
James Miller, M.D., Scotland

1904.

Thomas Lowe Bunting, M.D.
John Cameron, M.D.
William Hogg Prentice, M.D.

1905.

Wm. Elliot Carnegie Dickson, M.D.
John Eason, M.D.
Duncan Campbell Lloyd Fitz-
williams, M.D.
Andrew Alexander Hall, M.D.
Benjamin Philp Watson, M.D.

DOCTORS OF MEDICINE WHO GRADUATED ON 28TH JULY 1905,
WITH THE TITLES OF THEIR THESES.

*** *Awarded Gold Medals for their Theses.*

** *Highly commended for their Theses.*

* *Commended for their Theses.*

- | | |
|--|--|
| <p>Francis John Harvey
Bateman (M.A.), Eng-
land, M.B., C.M., 1898.
Mumps.</p> <p>Charles Mackie Begg, New
Zealand, M.B., Ch.B.,
1903. Acute Hæmor-
rhagic Pancreatitis.</p> <p>*Raphael Aaron Belilios,
India, M.B., Ch.B., 1901.
Trypanosomiasis in Man,
with special reference to
Sleeping Sickness, and
the so-called Trypano-
soma Fever of Equatorial
Africa.</p> <p>John Francis Gibbs Bent,
England, M.B., C.M.,
1893. Epilepsy.</p> <p>5 Harry Edward Bower, Eng-
land, M.B., C.M., 1887.
Whooping Cough.</p> <p>George Edward Bowker,
England, M.B., C.M.,
1891. Enteric Fever.</p> <p>Arthur John Brock, Scot-
land, M.B., Ch.B., 1901.
A Photographic Method
of recording the reaction
of the pupil in absolute
darkness and in bright
light.</p> <p>*Robert Dods Brown, Scot-
land, M.B., Ch.B., 1902.
Typhoid Bacilluria.</p> <p>**James Burnet (M.A.), Scot-
land, M.B., Ch.B., 1898.
Pulmonary Fibrosis, with
special reference to its oc-</p> | <p>currence in stone-masons :
a Clinical and Therapeutic
Study.</p> <p>10 Osmund Harry Chapman,
England, M.B., C.M.,
1894. Interrupted Ges-
tation.</p> <p>*Harry Lovett Cumming,
Scotland, M.B., Ch.B.,
1902. Scarlatinal Arth-
ritis; with special refer-
ence to associated Cardiac
conditions.</p> <p>**James Davidson, Scotland,
M.B., Ch.B., 1903. The
estimation of Blood-pres-
sure as an aid to Medical
Diagnosis and Treatment.</p> <p>**George Augustus Davies
(B.A.), England, M.B.,
Ch.B., 1903. Changes
which the Thorax under-
goes in its adaptation to
the erect posture in Man;
with notes on fracture of
the Ribs due to indirect
violence, and on Spinal
Curvature.</p> <p>**Frank Inglis Dawson, Scot-
land, M.B., Ch.B., 1902.
An Investigation into the
changes produced in the
Blood by operations and
fractures.</p> <p>15***William Elliot Carnegie
Dickson (B.Sc.), Scot-
land, M.B., Ch.B. (with
First Class Honours),
1901. The Bone-Marrow :</p> |
|--|--|

- a Cytological Study, forming an Introduction to the Pathology of the Tissue.
- **Thomas George Boswall Dodds, Scotland, M.B., Ch.B., 1901. Vocal degeneration in Man. A comparative Treatise on the Larynx in relation to Voice Production.
- **Henry John Dunbar, Scotland, M.B., Ch.B., 1902. Acute Infantile Intussusception.
- *John Munro Dupont, England, M.B., Ch.B., 1901. Concretions and Calculi of the Lungs and Bronchi.
- ***John Eason, Scotland, M.B., C.M. (with First Class Honours), 1896. Paroxysmal Hæmoglobinuria, with special reference to its Pathology and the production of an Antitoxine.
- 20***Duncan Campbell Lloyd Fitzwilliams, Wales, M.B., Ch.B., 1902. The Anatomy of the Gibbon (*Hyllobates Agilis*), with notes on Comparative Anatomy. Edmund Frost, England, M.B., C.M., 1898. Smallpox.
- *Robert Valpy Fulton, New Zealand, M.B., C.M., 1889. The Cause of the Parasitic Habit in certain Birds.
- Robert Gibson, Scotland, M.B., Ch.B., 1898. Malaria: its relationship to Pregnancy and its treatment.
- Charles Francis Giddy, England, M.B., C.M., 1896.
- Beri-Beri Records, 1902-1903.
- 25 Roderick M'Kenzie Grant, Scotland, M.B., Ch.B., 1901. A Study of Chorea.
- **Edward David Wilson Greig, (B.Sc.), Scotland, M.B., C.M., 1895. Sleeping Sickness.
- **Patrick Stevenson Haldane, Scotland, M.B., Ch.B., 1900. The diagnosis of diseases of the Pancreas, with special reference to the so-called "Pancreatic Reaction."
- ***Andrew Alexander Hall (M.A.), Scotland, M.B., Ch.B. (with First Class Honours), 1903. The Heat Value of Milk.
- Arthur Rupert Hallam, England, M.B., Ch.B., 1901. General Anæsthetics.
- 30 **Percy William Hampton, Isle of Man, M.B., Ch.B., 1899. Arthritis Deformans (*Osteoarthritis*).
- *Robert Hardie, Scotland, M.B., C.M., 1882. Methods of dealing with Wounded in Naval warfare.
- *Irvine Kempt Hermon, Scotland, M.B., Ch.B., 1899. Acute Lobar Pneumonia.
- *Alice Marion Hutchison, Scotland, M.B., Ch.B., 1899. A contribution to the Study of the Subchorial Hæmatoma of the Decidua.
- Andrew Edwin Hunter, Scotland, M.B., Ch.B., 1901. Empyema in Children.
- 35 Hugh Jamieson, Scotland, M.B., C.M., 1885. The action of Benzoate of

- Sodium on Uric Acid Excretion and Metabolism.
- *Peter Jones, Wales, M.B., C.M., 1889. Miners' Nystagmus: its Etiology, Pathology, Symptoms, and Treatment.
- *Clement Thomas Cory Kingdon, England, M.B., C.M., 1893. The rôle played by Insects in the destruction of the dead body, and its Medico-Legal application.
- *Robert Murray Leslie (M.A., B.Sc.), Scotland, M.B., C.M. (with First Class Honours), 1892. Pneumococcal Septicæmia (*Pneumonocosis*): Its Incidence and Prophylaxis.
- *William Gordon Little (M.A.), Scotland, M.B., C.M., 1884. The influence of Inorganic Salts in relation to the Solubility and Precipitation of Uric Acid and the Biurates.
- 40 Robert John McClelland, Ireland, M.B., Ch.B., 1900. Enteric Fever in South Africa.
- John Cunningham McConaghey, India, M.B., Ch.B., 1898. Dementia Præcox.
- Alastair MacGregor, Scotland, M.B., C.M., 1885. Gout—what is its true Etiology?
- **William McLachlan (B.Sc.), Scotland, M.B., Ch.B., 1901. Some contributions to the Study of the Physiology of Allantoin.
- *James MacNidder, Scotland, M.B., C.M., 1889. Ver-
- tigo, and its Clinical significance.
- 45 James Donald Macrae, Scotland, M.B., C.M. (with Second Class Honours), 1894. Chloroform Anæsthesia, with special reference to its use in midwifery practice.
- *George Robertson Mill, Scotland, M.B., Ch.B. (with Second Class Honours), 1901. The diagnosis of Aneurysm of the Thoracic Aorta; with special reference to the application of the X-rays.
- *Francis Watson More, Scotland, M.B., Ch.B., 1897. Dengue Fever.
- *Upendra Nath Mukerji, India, M.B., C.M., 1883. Nutrition and Dysentery.
- Sarat Kumar Mullick, India, M.B., C.M., 1897. Beri-Beri.
- 50 Charles Graham Murray, Barbados, M.B., C.M., 1893. Some bypaths in the Study of Epilepsy.
- *George Stewart Murray, Scotland, M.B., Ch.B., 1901. Epilepsy: some Clinical observations.
- *Alexander Nasmyth, Scotland, M.B., C.M., 1889. Epidemic Diphtheria.
- William Harwood Nutt, England, M.B., Ch.B., 1903. The use of patent pills as Abortifacients, with a special reference to the Basophilic Granulations of the Erythrocytes of the Blood.
- Thomas Edward Nuttall, England, M.B., C.M.,

1892. Notes on the Physiological action and Pathological effects of Ethylic Alcohol on the human body.
- 55 Alexander Howard Pirie (B.Sc.), Scotland, M.B., Ch.B., 1897. Hæmorrhage into the internal capsule, with special reference to the after gait.
- Catherine Mary Richardson, England, M.B., Ch.B., 1900. Pleural effusion occurring in Children.
- *Robert George Riddell, Scotland, M.B., Ch.B., 1897. Immunity in relation to Variola and Vaccinia.
- *Hugh Moreton Roberts, Wales, M.B., Ch.B., 1901. Neurasthenia.
- *John Keith Alexander Robertson, Scotland, M.B., Ch.B., 1901. Some observations on an epidemic of Smallpox.
- 60 *William Robertson, England, M.B., C.M., 1893. Diphtheria.
- William Arthur Robinson (M.A., B.Sc.), New Zealand, M.B., Ch.B., 1901. Chorea in Pregnancy.
- Robert George Robson (M.A.), Scotland, M.B., C.M., 1895. The famine of 1899 and 1900 in Rajputana, India, with special reference to the Diseases and Epidemics following thereon, and also Inquiry into the working of the Famine Code for Native States.
- *Thomas William Edmondston Ross, Scotland, M.B., Ch.B. (with Second Class Honours), 1902. A Clinical Study of Kopftetanus.
- *William Elmsley Scott-Moncrieff, Scotland, M.B., C.M., 1893. Senile Cataract in India.
- 65 James Scott Sewell, England, M.B., Ch.B. (with Second Class Honours), 1902. Rheumatic Endocarditis in Children.
- *Samuel Ramsay Sibbald, Scotland, M.B., Ch.B., 1900. Beri-Beri, with notes on the form found in the interior of Dutch Guiana.
- *George Freeland Barbour Simpson, Scotland, M.B., Ch.B., 1898. A contribution to the study of Fibroid Tumours of the Vagina.
- Alan Butler Slater, England, M.B., Ch.B., 1899. Lichen Planus, and its varieties.
- *Frederic Skey Stanwell, England, M.B., C.M., 1895. Perforation of the Bowel in Typhoid Fever.
- 70 Cecil Edward Stephens, England, M.B., C.M., 1892. Diphtheria.
- *Donald Alexander Stewart (M.A.), Scotland, M.B., Ch.B., 1901. A case of Chloroma, with a Study of thirteen other cases.
- Arthur Henry Thompson, England, M.B., Ch.B., 1898. Beri-Beri, with special reference to Etiology, and distribution in Countries other than Tropical.
- Charles Percivale Bligh Wall, England, M.B., Ch.B., 1897. The incidence of

Disease upon the Negro
races of the Transkei, Cape
Colony.

*Ward Ward-Smith, England,
M.B., Ch.B., 1898. Recent
treatment in relation to
some Chronic Superficial
Ulcerations.

75***Benjamin Philp Watson,
Scotland, M.B., Ch.B.
(with First Class Honours),
1902. Withdrawal of the
Liquor Amnii and Yolk
Sac Fluid from the Rabbit's
Uterus: Its effects on
Fœtus and Placenta.

MASTER OF SURGERY, WHO GRADUATED ON 28TH JULY 1905,
WITH THE TITLE OF THE THESIS.

**Lionel Charles Peel Ritchie,
Scotland, M.B., Ch.B.,
1900. Experimental and
critical researches with re-
gard to the surgical aspects
of the infectivity of the
skin-gland secretions; the
nature of the temporary

and of the permanent skin
epiphytes, and the cir-
cumstances determining
their incidence and dura-
tion on the skin; and the
value of lanoline employed
as a protection to the skin
against infection.

BACHELORS OF MEDICINE AND MASTERS IN SURGERY (M.B., C.M.)
WHO HAVE PASSED THE EXAMINATIONS WITH HONOURS
FROM 1889 TO 1905, BOTH YEARS INCLUDED.¹

1889.

Class I.

Robert Oswald Adamson (M.A.),
Scotland
John William Crerar, Scotland
William Fred. Farquharson, Scot-
land
James Lackie, Scotland
Jas. Hill Williamson Laing (M.A.,
B.Sc.), Scotland
Hamilton Graham Langwill, Scot-
land
Alexander Maclean, Scotland
Eustace G. Pilgrim, Barbados
Wm. Gordon Woodrow Sanders,
Scotland
James Andrew Thyne, Scotland
George Wilkinson, England

Class II.

Robert Dunlop Reid Allison, Scot-
land
William Everett, England
George Alfred Walter, England
Colin Gordon, England
Ewan John Maclean, Wales
James Monteith, Scotland
Benjamin Sweeten, Scotland
C. N. C. Wimberley, Scotland

1890.

Class I.

Charles James Whitehead Dixon,
England
Carstairs Cumming Douglas, Scot-
land

¹ For names of those who received the Degrees with Honours prior to 1889, see
Historical Appendix to List of Graduates of the University published in 1889,
pp. 129-132.

Gerald Fitzgerald, Scotland
 Robert Main Horne, Scotland
 Colin Forbes Lees, Scotland
 William Paterson, Scotland
 George William Thompson, La
 Plata
 William Kerr Walker, Scotland

Class II.

Ed. H. Alexander, New Zealand
 Robert Brown, Scotland
 John Wheeler Dowden, Ireland
 George Balfour Marshall, Scotland
 Arnold W. Williams, England

1891.

Class I.

John Wardle Bone, England
 Wm. Blackley Drummond, Scot.
 George Elder, Scotland
 Edward Barnard Fuller, Africa
 Henry Baker Hall, England
 George Hennan, Scotland
 Herbert Saunders Wansbrough
 Jones (B.Sc.), Wales
 Harry Rainy (M.A.), Scotland

Class II.

Robt. J. Ashton (B.A.), England
 Robert Cran, Scotland
 Frederick Wilhelm Eurich, Saxony
 David J. Mackenzie (M.A.), Scot-
 land
 John Orr, Scotland
 David Stuart, Scotland
 Wm. J. Walker (B.A.), Australia
 Neish Park Watt (M.A.), Scotland
 John Thos. Wilson, Tasmania

1892.

Class I.

Alexander Brownlie, Scotland
 Charles Cromhall Easterbrook
 (M.A.), England
 George Home, New Zealand
 Lim Boon Keng, Singapore

Robert Murray Leslie (M.A.,
 B.Sc.), Scotland
 Donald Macaulay (M.A.), Scot.

Class II.

Alexander Douglas (M.A.), Eng.
 Daniel Charles Edington, Scot.
 John James Evans, Wales
 Arthur Fells, England
 James Stewart Fowler, Scotland
 Robert Walker Gray, Scotland
 Robert John Johnston, Scotland
 Geo. Wm. F. Macnaughton, Scot-
 land
 Philip Oscar Malabre, Jamaica
 Peter William Shaw, Scotland
 Alfred George Talbot (B.A.), New
 Zealand
 George Templeton, Scotland

1893.

Class I.

Charles Crerar, Scotland
 John Buchanan Duff, Scotland
 Alex. M. Easterbrook, Scotland
 Wm. E. Fothergill (M.A., B.Sc.),
 England
 Robert Hutchison, Scotland
 Robert H. Makgill, Scotland
 Jas. V. Paterson, M.A., Scotland
 David W. Sutherland, Australia
 Hugh Walker (M.A.), Scotland
 D. A. Welsh (M.A.), Scotland

Class II.

William Randolph Center, Scot-
 land
 Robert Craig Dun, Scotland
 George Harry Dupont, England
 Charles Alfred Hogg, Tasmania
 Charles Kerr, Scotland
 James G. Macnaughton, Scotland
 W. M'D. Selby, Scotland
 St John Stanwell, England
 John Steed, England
 John Tennant (M.A.), Scotland
 John Brown Yeoman, Scotland

1894.

Class I.

James Martin Beattie (M.A.),
New Zealand
Evan John Hewat Fraser, England
George Brooke French, England
Thomas Gibson (M.A.), Ireland
John Rutherford Gilmour, Scotland
Neil MacVicar, Scotland
William Anderson Stephen (M.A.),
Scotland
James Purves Stewart (M.A.),
Scotland

Class II.

Robert William Beesley, England
Robert Ward Briggs, England
Alexander Keith Campbell, Scot-
land
Thomas H. C. Derham, England
Charles Francis Lassalle, W. Indies
James Donald Macrae, Scotland
Hezlett Hamilton Marshall, Aus-
tralia
Arthur Maxwell Nicholson Pringle,
Scotland
Walter Russell Strapp, Natal

1895.

Class I.

Joseph Edward Bowes, England
John Forbes (M.A.), Scotland
William John Garbutt, England
Rhodes Haygarth, England
Andrew Robertson Wilson (M.A.),
Scotland
William De Wever Wishart, British
Guiana

Class II.

James Gray, Scotland
Albert Lewis Husband, England
Robert MacWilliam Leith, Cape
Colony
William Lillie, India
David Rankine (M.A.), Scotland
David Waterston (M.A.), Scot-
land
James Rodger Watson (M.A.,
B.Sc.), Scotland

2 H

1896.

Class I.

William Haining Carse, Scotland
John Eason, Scotland
Percy James Henderson, Scot-
land
Percy Theodore Herring, Eng-
land
John George Patrick Murray,
England
Alexander Corsar Sturrock (M.A.),
Scotland

Class II.

John Thomas Hewetson, Eng-
land
Alexander Petrie Lowe, Scotland
Arthur David Yule, Scotland

1897.

Class I.

Harold Sherman Ballantyne
(B.Sc.), Scotland
William Frederic Harvey (M.A.),
India
George Carmichael Low (M.A.),
Scotland
Edwin Matthew (M.A.), Scotland

Class II.

William Finlay (Bach.-ès-Lett.),
Scotland
James Graham, Scotland
Evan Harries Jones, Wales
Leslie Kingsford, New Zealand
Andrew Hutton Watt, Scotland

1898.

Class II.

Charles Chilton (M.A., D.Sc.),
New Zealand
William Henry Dawson (M.A.,
B.Sc.), New Zealand

1900.

Class II.

John Charles Mitchell (D.Sc.),
Scotland

1901.

Class I.

Harry Moss Traquair, Scotland

482 *Graduates in Medicine—M.B., Ch.B., with Honours.*

BACHELORS OF MEDICINE AND BACHELORS OF SURGERY (M.B., Ch.B.), WHO HAVE PASSED THE EXAMINATIONS WITH HONOURS FROM 1897 TO 1905 BOTH YEARS INCLUDED.

1897.

Class I.

Charles Miner Cooper, England
John Smith Fraser, Scotland
William Hamilton, England
James Duncan Slight (M.A.), Scot.

Class II.

Bertram Cecil Robert Aldren, Eng.
Theodore Robert William Armour, Scotland
John Malcolm, Scotland
John William Struthers, Scotland

1898.

Class I.

William Neish Barker, Scotland
Archibald Currie M'Gilchrist (M.A.), Scotland
John Henry Rhodes, England
Alfred Charles Sandstein, New Zealand
Robert Frederick M'Nair Scott (B.A.), Scotland
Donald Bremner Waters (M.A.), Scotland

Class II.

William Bell, England
Stanley Branch, West Indies
John Cameron (B.Sc.), Scotland
George Dick, Scotland
Robert James Dick, Scotland
Duncan Forbes, Scotland
George Edwin James King, England
Henry Wade, Scotland

1899.

Class I.

William John Barclay (B.A.), New Zealand
John Dixon Comrie (M.A., B.Sc.), Scotland
George Lyon, Scotland
Arthur Preston, England
Charles Henry James Watson, England

Class II.

David Ewart, New Zealand
James John Galbraith, Scotland
John Gray Jack, Scotland
Robina M'Gregor, Scotland
Harry Malcolm MacKenzie, Scotland
James Masson (M.A., B.Sc.), Scotland
James Miller, (B.Sc.), Scotland
William Moncrieff Paul (M.A.), Scotland
Robert Morison Rowe (M.A.), Scotland
William James Stuart (M.A.), Scotland

1900.

Class I.

George Scott Carmichael, Scotland
William Ernest Frost, Ireland
George Henry Hanna, Jamaica
John Pender, Scotland
Robert Ainslie Ross, South Africa
Arthur Murray Wood, Scotland

Class II.

Arthur Branfoot Black, Scotland
Orlando Charnock Bradley, England
Edward Ewart, Scotland
James George Silver Jamieson (M.A.), Scotland
Langworthy Laurie, England
John Gordon M'Dougall, Scotland
Arthur Anderson Martin, New Zealand
Thomas Scott Shepherd, England
Alexander Trotter, Scotland
William Wallace, England
Garnett Wright, England

1901

Class I.

Robert Tullis Baillie, Scotland
Alexander Clarke Begg, New Zealand
William Elliott Carnegie Dickson (B.Sc.), Scotland
Andrew Hunter (M.A., B.Sc.), Scotland
Peter Murray (M.A.), Scotland
Caleb Williams Saleeby, England
Thomas Samuel Beauchamp Williams, Wales

Class II.

Richard James Bradley, Ireland
George Cruickshank Burgess, Scotland
George Adam Davidson (M.A.), Scotland
William Henry Dickinson, England
Arthur Marcus Firth (M.A.), Scot.
Andrew Campbell Keay, Scotland
George M'Farland, New Zealand
George Robertson Mill, Scotland
William Hogg Prentice (M.A.), Scotland
George Cook Irvine Robertson (M.A.), Scotland
Thomas Brown Shaw, Ireland

1902.

Class I.

Christian Henry Bösenberg, South Africa
Charles Macfie Campbell (M.A., B.Sc.), Scotland
Paula Theodora Copeland, Scotland
Soren Anton Ellerbek, Denmark
Sidney Gilford, England
Thomas Bogie Hamilton, Scotland
Norah Lenwood, England
Benjamin Philip Watson, Scotland

Class II.

Thomas Francis Cavanagh, Ireland
Jan. Dommissie, Cape Colony
Dwarka Prasad Goil, India
William Lillies, Ireland
Robert Cranston Low, Scotland
David Robertson M'Gregor (B.Sc.), Scotland
Paul Matthews, England
Thomas Henry Osler, South Africa
Thomas William Edmonston Ross, Scotland
James Scott Sewell, England
Allan George Waugh, Scotland

1903.

Class I.

Hugh Stevenson Davidson, Scotland
Cameron Robertson Gibson (M.A.), Scotland
Andrew Alexander Hall (M.A.), Scotland
James Mathieson Kirkness, Scotland
Lewis Albert Hodgkinson Lack, Trinidad
William Cuthbert Morton (M.A.), Trinidad
Graham Howie Skinner, Scotland
John Tait (B.Sc.), Scotland

Class II.

John Allan Anderson, Scotland
James Girdwood (M.A.), Scotland
Robert William Johnston (M.A.), Scotland
George Herbert Steven Milln, Scotland
Hugh Lennox Munro, Scotland
David M'Kenzie Newton, Scotland
David Duncan Paton (M.A.), Scot.
Thomas Peebles, Scotland
David Jobson Scott, Scotland
Eva Maud Snowball, England
Auckland Campbell Geddes, Scot.

1904.

Class I.

William James Fraser, Scotland
Ephraim Henderson (M.A.), Scotland
James Lochhead (M.A., B.Sc.), Scotland
John Pool M'Gowan (M.A.), Scot.

Class II.

Robert Balfour Barnetson, Scotland

David Brown, Scotland
Hugh Clive Buckley, India
Robert Alexander Chambers, Ireland
Arthur Mitchell Dryden, Scotland
Jules Michael Ralph Flament, Trinidad
Louis Fourié, Cape Colony
Hugh Ross Macintyre, Scotland
Thomas Nicol (M.A.), Scotland
Arthur Charles Strain, Scotland

BACHELORS OF MEDICINE AND MASTERS IN SURGERY (M.B., C.M.).

28TH JULY 1905.

Italics indicate Second-Class Honours.

John Clark, Scotland
Harold Downes, England

George Arthur Grierson, Scotland
Robert Whitson Telford, Australia

21ST OCTOBER.

Alfred Ernest White, Scotland

DEGREES OF BACHELOR OF MEDICINE AND BACHELOR OF SURGERY
(M.B. AND Ch.B.).

28TH JULY 1905.

Small CAPITALS indicate First-Class Honours.

Italics, Second-Class Honours.

Thomas Addis, Scotland	George Galen Bartholomew, Scotland
Francis Aitken, Scotland	Benjamin Baty, England
James Cyril Dalmahoy Allan, Scotland	Whiteford John Edward Bell, Scotland
Arthur Cecil Alport, England	15 Norman Black, Scotland
5 Alexander Grant Anderson (M.A., B.Sc.), Scotland	Richard Bladworth, Scotland
William Anderson, Scotland	Charles Edward Blair, Ireland
Mukhtar Ahmed Ansári (B.A.), India	George Blair, Scotland
Francis Baillie, Ireland	Richard Alfred Blake, England
George Smith Banks, Scotland	20 Herbert Maughan Brown, England
10 DUNCAN M'FARLAN BARKER, Scotland	James William Cairns, Scotland
James Morgan Barkley, Ireland	Thomas Campbell, Scotland

- Herbert Macpherson Cargin*, Ireland. (*In absentia*.)
 Norman Scott Carmichael, Scotland
 25 John Chisholm, Scotland
 Henry Pattullo Cook, Scotland. (*In absentia*.)
 Francis William Cragg, England
 John Gibson Craig, Scotland
 James Alexander Cruickshank, Scotland
 30 William Henry Cusack, Ireland
 Arthur Dangerfield, Scotland
 Thomas Davidson (M.A.), Scotland
James Mollison Dickson, Scotland
 Marcus Graham Dill, Scotland
 35 David Eakin, Ireland
 Hugh Anderson Edwards, Scotland
 Edward Alexander Elder (M.A., B.Sc.), Scotland
 Chatterton Eric Elliston, England
 Henry Felix Fenton, England
 40 Francis Edwin Field, British Guiana
 Charles Napier Finn, New Zealand
 Noel Constable Forsyth, Scotland
Robert Skeoch Frew, Newfoundland
 Willy Gerson Fröhlich, Switzerland
 45 John Frederick Gallaher, Ireland
 Louis Patrick Mackenzie Gardner, Scotland
 Hugh Selwyn Gaskell, England
 William Gemmill (M.A.), Scotland
 Ernest Gardiner Girdwood, South Africa
 50 James Anderson Glover (M.A.), Scotland
 John Macpherson Grant, Scotland
 Joseph Green, England
 CHARLOTTE ROSE GREENFIELD, England
 John Caldwell Grieve, Scotland
 55 Ernest Joseph Clifford Groves, England
 JAMES ANDREW GUNN (M.A., B.Sc.), Scotland
 James Turner Gunn, Scotland
 George Hadden, Ireland
 John Daniel Harmer, Scotland
 60 Ada Annie Hatchard, England
 Alfred Stirling Hendrie, Scotland
 William Morton Hewetson, England
 Henry Scott Anderson Hogg, Scotland
 Jean Smith Hogg, Scotland
 65 John Richard Holgate, England
 John Hamilton Hume, Scotland
 Joseph Ings, New Zealand
 Ada Jackson, England
 James Peter Speid Jamieson, Scotland
 70 Solomon Ezekiel Kark, Cape Colony
 James Robertson Kerr, Scotland
 Ethel Landon, England
 John Mure Lauder, Scotland
 James Lindsay, Scotland
 75 John Lindsay, Scotland
 Alexander Patrick Gordon Lorimer, Scotland
 James Anderson Loughridge, Ireland

- | | |
|-----------------------------------|----------------------------------|
| Donald Hector Colin Mac- | Edmund Brodie Munro, Scot. |
| Arthur, England | Alex. William Neill, Scotland |
| Peter M'Diarmid, Scotland | Robt. Howard Nolan, Ireland |
| 80 PETER M'EWAN (M.A.), | Geo. Percy Norman, England |
| Scotland | 110 Arthur John Rushton O'Brien, |
| Thomas Arthur MacGibbon | England |
| (B.A., B.Sc.), New Zea- | Charles Richard O'Brien, |
| land | India |
| John Douglas M'Kelvie, Eng- | Arthur Adolphus Ollivierre, |
| land | Trinidad |
| James MacKenzie, Scotland | Jas. Stewart Orwin, England |
| Kenneth William Mackenzie, | David Hutcheon Paul, Scot. |
| Scotland. (<i>In absentia.</i>) | 115 John Lindesay Pearce, Scot. |
| 85 Murdo MacKinnon, Scotland | HAROLD ERNEST RAWLENCE, |
| Archibald Cotterell M'Master, | England |
| New Zealand | Douglas Gavin Reid, Scotland |
| Stewart M'Naughton, Eng- | Arthur Owen Playford Rey- |
| land | nolds, England |
| CHARLES M'NEIL (M.A.), | William Edward Reynolds, |
| Scotland | Portugal |
| Norman Neil George Cowan | 120 James Robert Robertson, |
| M'Vean, Scotland | Australia |
| 90 William Magill, Ireland | William George Robertson |
| WILLIAM JOSEPH MALONEY, | (M.A.), Scotland |
| Scotland | William Latto Robertson |
| Samuel Edgar Martin, Ireland | (M.A.), Scotland |
| Edward Seys Massiah, British | JOHANNES ZACHARIAS |
| Guiana | IIUMAN ROUSSEAU (B.A.), |
| <i>George Douglas Mathewson</i> | Cape Colony |
| (B.Sc.), Scotland | Henry Marcelin Sauzier, |
| 95 Alex. Mathieson, Scotland | Mauritius |
| David Morley Mathieson | 125 Thomas Scoresby - Jackson, |
| (M.A.), Scotland | England |
| Archibald Ingram Miller, | WILLIAM M'DONALD SCOTT, |
| Scotland | Scotland |
| Harley Patterson Milligan, | William Joseph Burns Selkirk |
| England | (M.A.), Scotland |
| Charles Edward Sawers Mit- | Alfred Irving Shepherd- |
| chell, Scotland | Walwyn, England |
| 100 John Stevenson Mitchell, | Douglas William Sibbald, |
| Scotland | New Zealand |
| Carel Theodorus Möller, Cape | 130 Eustace Melvin Simmers, |
| Colony | England |
| Hector Baird Morris, Scot. | Archibald Simpson, Scotland |
| David Lyall Morrison, Scot. | Edward Swan Simpson, Scot. |
| Harold Mowat, Scotland | Oliver Smith, England |
| 105 Robert Esmond Moyes, Scot. | Stanley Alwyn Smith, Eng. |

- | | |
|---|---|
| <p>135 Thos. Ronaldson Smith, Scot.
Alexander Grant Vermont van
Someren, Straits. Settle-
ments
Daniel William Standley,
Mauritius
Robert Charles Standring-
Smith (B.A.), England
Wm. John Taggart, Ireland</p> <p>140 William Bow Tannahill, Scot.
Annie Florence Theobalds,
England
James Alexander Richard
Thomson, Scotland
Edward Francis Valenzia,
Egypt
Fernand Louis de Verteuil,
Trinidad. (<i>In absentia.</i>)</p> <p>145 <i>Philip Seston Vickerman</i>, New
Zealand</p> | <p>Helen Randall Vickers, Eng-
land
Frances Margaret Wakefield,
England
Robert Clive Walker, Scotland
<i>Henry Everly Arthur Wash-
bourn</i>, New Zealand</p> <p>150 Hubert Clinton Weber, Brit-
ish Guiana
Joseph Douglas Wells, Eng-
land
Frank Phillips Wernicke,
England
Andrew Wight, Scotland
Elsie Bowman Wilkie, Scot.
Richard Wilkins, England</p> <p>155 Hugh Cameron Wilson, Sco'.
JAMES YOUNG, Scotland
James Theodore Young, Cape
Colony</p> |
|---|---|

21ST OCTOBER 1905.

- | | |
|---|--|
| <p>David Carnegie Alexander,
Scotland
Wm. Forrest Archibald, India
William Basson, Cape Colony
Alfred Jordan Beattie, Scot.</p> <p>5 Edward James Black, Scot.
Gilbert Britto, India
Robert Bryson Calwell, Ireland
David Clement Crole, Scot.
Francis Henry Dickson, Scot.</p> <p>10 James Dundas, Scotland
George Gunn, Australia
Jas. Pringle Park Inglis, Scot.
Joseph Frain James, England
George Percy Joy, England</p> <p>15 Donald Francis Mackenzie,
England</p> | <p>Kenneth William Duncan
Macrae, England
Frederick Charles Mills,
M.A., England
Oswald Moir Mirylees, Scot.
Ronald Roderick Murray,
Scotland</p> <p>20 Richard Ernest Upton New-
man, Ireland
Hubert Jas. Norman, England
Henry Vernon Taylor, Eng.
Robert Black Thomson, Scot-
land
Jan Hendrik du Toit, South
Africa</p> <p>25 Ashraf Nawaz Jung Vizarat,
India</p> |
|---|--|

3RD FEBRUARY 1906.

- | | |
|--|--|
| <p>William Luis Luna Alston,
Argentine Republic
Alfred Beswick Darling, Scot-
land</p> | <p>Ernest Guy Deverell, Scotland
John Hugh Jones, Wales</p> <p>5 William Africanus Ojumiri-
Taylor, Sierra Leone</p> |
|--|--|

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE.

12TH APRIL 1906.

Alexander Edington, M.D., C.M.
John Pool M'Gowan, M.A., M.B., Ch.B.
William M'Donald Scott, M.B., Ch.B.

SPECIAL UNIVERSITY CERTIFICATE IN DISEASES OF TROPICAL CLIMATES.

28TH JULY 1905.

- | | |
|---|---|
| Arthur Cecil Alport (M.B., Ch.B.) | Ernest Gardiner Girdwood (M.B. Ch.B.) |
| Alexander Grant Anderson (M.A., B.Sc., M.B., Ch.B.) | Vinayak Ramshandra Gorakshakar (M.B., Ch.B.) |
| Mukhtar Ahmed Ansári (B.A., M.B., Ch.B.) | John Caldwell Grieve (M.B., Ch.B.) |
| Francis Baillie (M.B., Ch.B.) | Elizabeth Catherine Gunn (M.B., Ch.B.) |
| 5 George Smith Banks (M.B., Ch.B.) | 25 John Daniel Harmer (M.B., Ch.B.) |
| Duncan M'Farlan Barker (M.B., Ch.B.) | Alfred Stirling Hendrie (M.B., Ch.B.) |
| Norman Black (M.B., Ch.B.) | William Morton Hewetson (M.B., Ch.B.) |
| Charles Edward Blair (M.B., Ch.B.) | Henry Scott Anderson Hogg (M.B., Ch.B.) |
| Richard Alfred Blake (M.B., Ch.B.) | Jean Smith Hogg (M.B., Ch.B.) |
| 10 Herbert Maughan Brown (M.B., Ch.B.) | 30 Ada Jackson (M.B., Ch.B.) |
| Thomas Campbell (M.B., Ch.B.) | Solomon Ezekiel Kark (M.B., Ch.B.) |
| John Walker Cathles (M.B., Ch.B.) | James Robertson Kerr (M.B., Ch.B.) |
| Duncan MacDonald Cochrane Church (M.B., Ch.B.) | Ethel Landon (M.B., Ch.B.) |
| John Clark (M.B., C.M.) | James Lindsay (M.B., Ch.B.) |
| 15 Henry Pattullo Cook (M.B., Ch.B.). (<i>In absentia.</i>) | 35 James Anderson Loughridge (M.B., Ch.B.) |
| Thos. Davidson (M.B., Ch.B.) | Peter M'Ewan (M.A., M.B., Ch.B.) |
| James Mollison Dickson (M.B., Ch.B.) | Kenneth William Mackenzie (M.B., Ch.B.) |
| Robert Skeoch Frew (M.B., Ch.B.) | Archibald Cotterell M'Master (M.B., Ch.B.) |
| Louis Patrick Mackenzie Gardner (M.B., Ch.B.) | Norman Neil George Cowan M'Vean (M.B., Ch.B.) |
| 20 Hugh Craigie Gibson (M.B., C.M.). (<i>In absentia.</i>) | |

- | | |
|---|---|
| <p>40 William Joseph Maloney
(M.B., Ch.B.)
Samuel Edgar Martin (M.B.,
Ch.B.)
Edward Seys Massiah (M.B.,
Ch.B.)
Alex. Mathieson (M.B., Ch.B.)
Charles Edward Sawers Mit-
chell (M.B., Ch.B.)</p> <p>45 Edmund Brodie Munro (M.B.,
Ch.B.)
Alexander William Neill
(M.B., Ch.B.)
George Percy Norman (M.B.,
Ch.B.)
Arthur John Rushton
O'Brien (M.B., Ch.B.)
Arthur Adolphus Ollivier
(M.B., Ch.B.)</p> <p>50 William Edward Reynolds
(M.B., Ch.B.)
William George Robertson
(M.A., M.B., Ch.B.)
Henry Marcelin Sauzier (M.B.,
Ch.B.)
William McDonald Scott
(M.B., Ch.B.)
Douglas William Sibbald
(M.B., Ch.B.)</p> <p>55 Edward Swan Simpson (M.B.,
Ch.B.)</p> | <p>Thomas Ronaldson Smith
(M.B., Ch.B.)
Alexander Grant Vermont van
Somerens (M.B., Ch.B.)
Daniel William Standley
(M.B., Ch.B.)
Kenneth Andrew Moody
Stuart (M.B., Ch.B.). (<i>In
absentiâ.</i>)</p> <p>60 Annie Florence Theobalds
(M.B., Ch.B.)
James Alexander Richard
Thompson (M.B., Ch.B.)
Edward Francis Valenzia
(M.B., Ch.B.)
Vattaparampil Sankara Valia-
than (B.A., M.B., Ch.B.)
Fernand Louis de Verteuil
(M.B., Ch.B.). (<i>In ab-
sentiâ.</i>)</p> <p>65 Robert Clive Walker (M.B.,
Ch.B.)
Hubert Clinton Weber (M.B.,
Ch.B.)
Joseph Douglas Wells (M.B.,
Ch.B.)
Frank Phillips Wernicke
(M.B., Ch.B.)
Andrew Wight (M.B., Ch.B.)</p> <p>70 Hugh Cameron Wilson (M.B.,
Ch.B.)</p> |
|---|---|

21ST OCTOBER 1905.

- | | |
|---|--|
| <p>Sorabji Jamasji Bhathena
(L.R.C.P. & S. Edin.).
(<i>In absentiâ.</i>)
Edward James Black (M.B.,
Ch.B.)
John Richard Holgate (M.B.,
Ch.B.). (<i>In absentiâ.</i>)</p> | <p>Ronald Roderick Murray
(M.B., Ch.B.)</p> <p>5 Ashraf Nawaz Jung Vizarat
(M.B., Ch.B.)
Frances Margaret Wakefield
(M.B., Ch.B.). (<i>In ab-
sentiâ.</i>)</p> |
|---|--|

3RD FEBRUARY 1906.

- Arthur Dangerfield (M.B., Ch.B.)
John Hugh Jones (M.B., Ch.B.)
James Theodore Young (M.B., Ch.B.)

Fellowships, Scholarships, Bursaries, and Prizes in Medicine.

I.—FELLOWSHIPS.

See Note under Scholarships, page 197.

I.—THE SYME SURGICAL FELLOWSHIP.

This Fellowship, of the annual value of about £112, and tenable for two years, is open to award to the Bachelor of Medicine and Master in Surgery, or Bachelor of Medicine and Bachelor of Surgery, of not more than three years' standing, who, in the opinion of the Examiners, has passed a creditable examination for these degrees, for the best Thesis on a Surgical subject giving evidence of original research, or practical talent, whether such Thesis be given in for Graduation or otherwise. The next award may be at the Graduation Ceremonial in July 1907. *See Deed of Foundation, at p. 310 of CALENDAR for 1872-73.*

1905. *Frank Inglis Dawson, M.D., Ch.B.*

II.—THE GOODSIR MEMORIAL FELLOWSHIP.

This Fellowship was founded in 1872 by the subscribers to the fund for a memorial of the late Professor John Goodsir for the encouragement of the study of Anatomy and Physiology. It is of the annual value of about £100, under deduction of Examiners' fees, tenable for two years, and is open to all Graduates in Medicine of the University of not more than three years' standing at the time of the competition, and to Licentiates of the Colleges of Physicians or Surgeons of Edinburgh of a like standing, who have attended within the University the same number of classes as are required for the Degrees of M.B. and Ch.B. It is awarded for the best Essay or Treatise containing results of original investigations in Anatomy, Human and Comparative, either Normal or Pathological, or in Experimental Physiology; Candidates may be examined *viva voce* or otherwise on the subject of their Essays or Treatises if the Examiners shall deem this desirable.

The next award may be made in July 1907, and competing Dissertations must be lodged with the Professor of Anatomy not later than the 30th April previously. *See Deed of Foundation at p. 314 of CALENDAR for 1872-73.*

1905. *Duncan C. L. Fitzwilliams, M.D., Ch.B.*

III.—THE LECKIE-MACTIER FELLOWSHIP.

The Leckie-Mactier Fellowship, of the annual value of about £74, is awarded to Bachelors of Medicine of not more than three years' standing, and is tenable for three years. The examinations comprise written reports and commentaries on medical, surgical, and gynecological cases in the University Wards in the Royal Infirmary, and written examinations in Midwifery, Medical Jurisprudence, and Public Health; also oral examinations in Medicine, Surgery, Midwifery, Medical Jurisprudence, and Public Health. The holder shall report every six months to the Dean where and how he is engaged in the study or exercise of his profession, and before the expiry of his tenure, must transmit to, and, if required, read publicly in the presence of the Medical Faculty, a communication embodying the result of original observation or historical research in some department of medicine. Next appointment may be made in November 1907. *See* Deed of Foundation at p. 365 of CALENDAR for 1880-81.

1904. *Duncan Campbell Lloyd Fitzwilliams, M.B., Ch.B.*

IV.—FREELAND BARBOUR FELLOWSHIP.

This Fellowship is of the value of about £105, and is open to award, in each alternate year, to the Bachelor of Medicine and Bachelor of Surgery who has gained the highest collective marks in Anatomy, Physiology, and Pathology in the Professional Examinations, and who is prepared, within two years after graduation, to devote not less than one year to original research in Midwifery or diseases of women, in any of the Laboratories or Practical Departments of the University of Edinburgh. The next award may be made in July 1906. *See* Deed of Foundation at page 517 of CALENDAR for 1889-90.

1904. *James Lochhead, M.B., Ch.B.*

V.—ALLAN FELLOWSHIP IN CLINICAL MEDICINE AND CLINICAL SURGERY.

This Fellowship, of about £52, is awarded annually—after competitive examination of the six candidates for the degrees of M.B., C.M., or M.B., Ch.B., who, after having attended in the University of Edinburgh the necessary qualifying courses in Clinical Medicine and Clinical Surgery, shall obtain the highest percentage of marks in these subjects at the final examination for these degrees. *See* Deed of Endowment and Regulations, page 833 of CALENDAR for 1899-1900.

1905. *Harold E. Lawrence, M.B., Ch.B.*

*II.—FUNDS FOR RESEARCH, &c.***I.—THE WILLIAM DICKSON TRAVELLING FUND.**

This is a fund for the purpose of assisting Graduates of any Faculty, of not more than three years' standing, to travel for the purpose of study or research. For particulars, see page 212.

II.—THE EARL OF MORAY'S BEQUEST FOR THE PROMOTION OF ORIGINAL RESEARCH.

All Graduates and other Members of the University, "or other persons who have given satisfactory proof of General Education and fitness to engage in some special study or research," may apply for grants from this fund. In so far as the subject of the Research admits, the investigation shall be conducted in the Buildings of the University. For further particulars, see page 212. See Regulations, page 428 of CALENDAR for 1897-98.

III.—CARNEGIE POST-GRADUATE SCHOLARSHIPS (£100), FELLOWSHIPS (£150), AND GRANTS IN AID FOR RESEARCH.

Graduates of this University are entitled to become Candidates. Application Forms may be had from the Secretary to the Carnegie Trust, The Merchants' Hall, 14 Hanover Street, Edinburgh, to whom all applications on the subject must be addressed. Nominations for Scholarships, and applications for Fellowships and Grants in Aid, must be lodged with the Secretary not later than 1st May annually.

IV.—GEORGE HERIOT'S RESEARCH FELLOWSHIPS.

For particulars apply to George Heriot's Trust, 20 York Place, Edinburgh; and see under Faculty of Arts.

V.—THE SWINEY LECTURESHIP ON GEOLOGY.

This Lectureship is in the patronage of the Trustees of the British Museum, is of the annual value of £144, and is open to Graduates in any of the Faculties of this University who have obtained their Degrees after Examination. For further particulars, see page 338.

III.—SCHOLARSHIPS.

I.—ETTLES SCHOLARSHIP IN MEDICINE.

This Scholarship was founded in 1868 by Miss Mary Ettles of Inverness, and is of the annual value of about £32. It is awarded annually to the Bachelor of Medicine and Master in Surgery of the University of Edinburgh, whom the Faculty of Medicine may consider the most distinguished of that year. *See* Deed of Foundation, at page 242 of CALENDAR for 1868-69.

1905. *W. J. Maloney, M.B., Ch.B.,* } equal.
W. M^d. Scott, M.B., Ch.B., }

II.—SIBBALD MEDICAL SCHOLARSHIP.

This Scholarship is of the annual value of £40. *First*, The Scholarship is bestowed on, and held by, a Student in the Faculty of Medicine in the University of Edinburgh, *who does not hold any other Scholarship or Bursary*, and is tenable for three years; during each year the Scholar must complete an *Annus Medicus* required from Candidates for the degree of Bachelor of Medicine. *Second*, It is bestowed upon the Student obtaining the highest place by Competitive Examination, and is open to all Candidates who have not previously been Students of Medicine in any other School or University, and who have attended Medical Classes in the University of Edinburgh, for *not less* than one Winter and one Summer Session, and for *not more* than one Winter and two Summer Sessions. The Competitive Examination is in Chemistry, Botany, Natural History, and Physics, and is conducted in such manner as the Senatus Academicus may, in concurrence with the Trustees, prescribe. The next competition may take place in October 1906. Application to be made to Messrs MACKENZIE, INNES & LOGAN, W.S., 23 Queen Street, Edinburgh.

1903. *Alister T. MacKenzie.*

III.—THOMSON SCHOLARSHIP.

The Thomson Scholarship, value £40, tenable for four years, open to matriculated students commencing their first Winter Session in Medicine. The examination is on Botany, Zoology, and Elementary Mechanics. The Scholarship is awarded to the candidate who shall obtain the highest number of marks in the examination. The Trustees, however, reserve power to themselves to withhold the appointment should none of the candidates obtain a sufficiently high percentage of the marks in the examination. Candidates must send in their names to the agents for the Trust before the first day of October in the year in which there is a competition for the

Scholarship. Students of the name of Thomson or Traquair, or those who are natives of the town or county of Dumfries, or of the city of Edinburgh, have a preference. The next appointment may be made in October 1906. For further particulars, application to be made to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh.

1902. *Wm. P. Ferguson.*

IV.—COLDSTREAM MEMORIAL MEDICAL MISSIONARY SCHOLARSHIP.

The Coldstream Memorial Medical Missionary Scholarship, consisting of the annual interest of about £500, was founded in memory of the deceased John Coldstream, M.D., F.R.C.P.E., and is tenable for five years. The holder must be a first year's Medical Student, who intends to devote himself to the life of a Medical Missionary at home or abroad. He must be approved of by the awarders, and pass the Preliminary Examination before beginning his studies. A preference is given to students connected with the Edinburgh Medical Missionary Society. A full copy of the conditions can be had on applying to G. E. R. Coldstream, W.S., 55 Frederick Street, Edinburgh. Next award may be in October 1909. *See* Conditions in CALENDAR for 1879-80, p. 357.

1904. *James Crockett.*

V.-XI.—VANS DUNLOP SCHOLARSHIPS.

Seven Scholarships, of £100 each, tenable for three years. Not more than one at a time can be held by the same person. The successful candidates for each of these Scholarships will be required to continue their medical studies in this University during their tenure of their Scholarships, and to graduate as M.B. and Ch.B. In the event of a Vans Dunlop Scholar, whose Scholarship has been awarded at the beginning of the fourth or fifth Winter Session, desiring to interrupt his tenure by accepting a Residency in the Royal Infirmary, or other approved Hospital, he must make application to the Faculty for permission to do so, and if they think proper to grant it, they will recommend the Senatus to reinstate him as a scholar at the close of his Hospital service. *See* Excerpt from Will of Dr Vans Dunlop, p. 380 of CALENDAR for 1880-81.

V. *One* is awarded to the Candidate who, at either the March or the preceding October Medical Preliminary Examination, has obtained the highest number of marks in the Subjects required to enable him to appear for a Professional Examination, provided (1) that he has not already passed the said Preliminary Examination; and (2) that, in the event of his having passed an equivalent examination and pre-

senting himself for the Medical Preliminary Examination, he shall waive all right to admission to the Faculty of Medicine except through the ordinary Medical Preliminary Examination of this University. The next award will be made in March 1907.¹

1904. *Richard C. Alexander.*

VI. *One* is awarded at the end of the First Winter of Medical Study to the Student who, after having attended for the first time within the University a Systematic Course of Lectures on each of the subjects of Chemistry, Anatomy, and Physics, and who has not previously attended any course in Chemistry, or Anatomy, or Physics, which qualifies for Degrees in Medicine, or for a Licence in Medicine or Surgery, shall obtain the highest number of marks in an Examination in these subjects, specially conducted for the purpose. The Subjects of Examination in Anatomy will include the Skeleton; Joints; Muscular System; Heart and Great Vessels; General Arrangement of the Nervous System; Position of the Thoracic and Abdominal Viscera. The next award may be made at the end of March 1908.

1905.

VII. *One* is awarded at the end of the first Summer Session of Medical Study to the Student who, after having attended for the first time within this University a Systematic Course of Lectures on each of the subjects of Botany and Zoology, and who has not previously attended any course in Botany or Zoology which qualifies for Degrees in Medicine, or for a Licence in Medicine or Surgery, shall obtain the highest number of marks in an Examination in these subjects specially conducted for the purpose. The next award may be made at the end of July 1908.

1905.

VIII. *One* is awarded at the end of the Second Winter of Medical Study to the Student who, after having attended within the University for the first time a Systematic Course in each of the subjects of Physiology and Surgery, and who has not previously attended a Course of Physiology or Surgery which qualifies for Degrees in Medicine, or for a Licence in Medicine or Surgery, shall obtain the highest number of marks in an Examination in these subjects specially conducted for the purpose. The Subjects of the Examination in Physiology will embrace the Histology and Physiology of the Simple Tissues, and of the Organs concerned in Nutrition. The whole subject of Nutrition will be included,

¹ Awarded to a student *entering* on the Medical Course, the successful Candidate will not be entitled to claim exemption from examination in any of the subjects of the First Professional Examination under Sec. XI. of the Medical Ordinance on the ground that he has passed an examination in these subjects qualifying for a degree in Arts or in Science.

and also Animal Heat. The next award may be made at the end of March 1908.

1905.

IX. *One* at the beginning of the Fourth Winter Session of Medical Study to the Student who, after having attended within the University the Systematic and Practical Instruction in the subjects of Anatomy and Physiology, and, having passed the Second Professional Examination, shall obtain the highest number of marks in an Examination in these subjects specially conducted for the purpose. The successful Candidate will be required to continue his studies in this University during the first two years of his tenure of the Scholarship, and at the end of the second year to graduate as M.B. and Ch.B. ; and during the remaining year to prosecute original investigation in one or other of the Research Laboratories in the Faculty of Medicine. The next award may be made in October 1908.

1905. *Charles F. Pattie.*

X. *One* at the beginning of the Fourth Winter Session of Medical Study to the Student who, after having attended within the University a Systematic Course in the Subject of Materia Medica (including Pharmacology), and, having passed the Second Professional Examination, shall obtain the highest number of marks in an Examination in that subject specially conducted for the purpose. The successful Candidate will be required to continue his studies in this University during at least two years of his tenure of the Scholarship, and at the end of the second year to graduate as M.B. and Ch.B. ; and during the remainder of his tenure of the Scholarship to devote himself to original investigation in the Materia Medica Laboratory in the Faculty of Medicine. The next award may be made in October 1908.

1905. *John J. H. Nelson.*

Prox. access., Alister T. Mackenzie.

XI. *One* to be awarded at the beginning of the Fifth Winter Session of Medical Study, to the Student who, after having attended within the University, the Systematic and Practical Courses in Pathology and the Systematic Courses in Medical Jurisprudence, and in Public Health, and having passed the Third Professional Examination, shall obtain the highest number of marks in an Examination in these subjects specially conducted for the purpose. The successful Candidate will be required to continue his studies and graduate as M.B. and Ch.B. in this University, during the first year of his tenure of the Scholarship, and to devote himself during the remainder of his tenure to original investigation in one or other of the Research Laboratories in the Faculty of Medicine. The next award may be made in October 1908.

1905. *J. M. Kirkness, for one year.*

Alexander M. Drennan,
James S. Edwards, } equal.

XII.—THE MURCHISON MEMORIAL SCHOLARSHIP.

This Scholarship consists of the annual proceeds of about £1000, awarded in alternate years in London and Edinburgh, for proficiency in Clinical Medicine. Candidates must be registered medical students who have attended for not less than five nor more than seven years at Hospitals and Classes at Edinburgh or London, recognised by the University of Edinburgh or the Royal College of Physicians of London. The competition in 1907 will be held in Edinburgh.

1905. *John P. M'Gowan, M.B., Ch.B.*

XIII.—STARK SCHOLARSHIP IN CLINICAL MEDICINE.

This Scholarship, of £110, less expenses, and tenable for one year, is for the encouragement of the study of Clinical Medicine. It is open to competition among all matriculated Students of the University who are or have been in attendance at the University Class of Clinical Medicine, and to Bachelors of Medicine of the University of not more than eighteen months' standing who have attended this class. It is open every second year alternately with the competition in Edinburgh for the Murchison Memorial Scholarship. The Examination, oral and in writing, shall include (a) Examination of Patients; (b) Questions on Therapeutics and Pathology; (c) Examination of Specimens. Each holder of the Scholarship shall be required to devote his time in the wards of the Professors of Clinical Medicine to original investigation or other work directly connected with Clinical Medicine; to report his proceedings every three months to the Professors of Clinical Medicine; and, within a reasonable time after the expiry of his tenure of the Scholarship, to present to the Faculty of Medicine a written statement of the results of his investigations or other work. It cannot be held along with any other Fellowship, Scholarship, or Bursary in a Scottish University. The next Competition will take place in July 1906. See Deed of Foundation at p. 427 of CALENDAR for 1884-85.

1904. *Lindsay Stephen Milne, M.B., Ch.B.*

XIV.—BUCHANAN SCHOLARSHIP.

This Scholarship, of the value of about £40, founded by Mrs Jane Jack or Buchanan, Moray Place, Edinburgh, is awarded annually to the Graduate in Medicine of the year who has shown the highest proficiency in Midwifery and Gynecology, as evidenced in (1) the Class Examinations of Midwifery and Diseases of Women and Children; (2) the Records kept by him of cases treated in the Gynecological Section of the University Class of Clinical Medicine in the Buchanan Ward of the Royal Infirmary, and (3) the Final Examination in Medicine for the Degree of M.B. The Scholar is required to act

as non-resident Clinical Clerk in the University Gynecological Ward, and to give assistance in the Examination of Class Exercises. *See* Deed of Foundation, p. 707 of CALENDAR for 1894-95.

1905. *Peter M' Ewan, M.B., Ch.B.*

XV.—THE JAMES SCOTT SCHOLARSHIP.

This Scholarship, founded by Mrs Mary Ann Scott or Thomson of Hawick, of the value of about £34, is awarded annually at the Graduation Ceremonial in Medicine in August for proficiency in Midwifery. The award is based upon the results of the Competitive Examinations in the Class of Midwifery, upon the character of the records of Cases of Midwifery attended by the Candidate at the Royal Maternity and Simpson Memorial Hospital, and upon the position obtained by him at the Final Examination for Degrees in Medicine. The Scholarship is for one year, but may, in special circumstances, be continued for another year. *See* Deed of Foundation, p. 410 of CALENDAR for 1883-84.

1905. *William J. Maloney, M.B., Ch.B.*

XVI., XVII.—HOPE PRIZE SCHOLARSHIPS.

Two Hope Prize Scholarships in Chemistry, each of the annual value of about £30. For particulars, *see* under Scholarships in Science.

XVIII.—THE MOUAT SCHOLARSHIP IN THE PRACTICE OF PHYSIC.

This Scholarship, of the value of about £57, (partly in money and partly in the form of a bronze medallion), is awarded annually at the Graduation Ceremonial in Medicine, to the graduate in Medicine who shall have taken the highest place in the competitive Examinations in the Class of Practice of Physic (Medicine) in this University, and in the Oral and Written Examinations in that subject in the Final Examination.

The Scholar shall be bound during his year of tenure to pursue the study of Medicine either as resident in an Infirmary or Hospital, or in the University of Edinburgh, or other University or Medical School at home or abroad, and to present, at the close of such year, to the Professor of Practice of Physic, or to the Senatus Academicus, a Report of the work he has done in such Infirmary, Hospital, University, or Medical School. The money part of the Scholarship will only be paid on the Senatus receiving a certificate from the Dean of the Faculty that the conditions of the Scholarship have been duly fulfilled.

1905. *George D. Mathewson, B.Sc., M.B., Ch.B.*

XIX.—MACKAY SMITH SCHOLARSHIP IN CHEMISTRY.

This Scholarship is of the annual value of £25, tenable for two years, and is open for competition to Students who have attended the Class of Chemistry in this University. The successful Candidate is bound to attend the Class of Chemistry, or to prosecute the study of Chemistry in the University during at least one year of his tenure of the Scholarship, in such way as the *Senatus Academicus* may direct or approve. The next Examination will take place in July 1906.

1904. *James Nicholson, M.A., B.Sc.*

Prox. access., Narayana Kunjan Pillai, B.A.

XX.-XXIII.—CRICHTON SCHOLARSHIPS FOR RESEARCH.

Four Scholarships, each of the value of £100, tenable for one year, with power of re-appointment for a second and for a third year, are open in rotation in the subjects of Anatomy, Physiology, *Materia Medica*, and Pathology, for the prosecution of Research by Graduates who have been Students of this University for not less than four years. The Scholarships in *Materia Medica* and Pathology will be open in 1906. Candidates are required to submit a sufficient description of the work they propose to undertake to the Dean of the Faculty of Medicine on or before 1st September. The Examination is both written and practical, bearing on Research Work. *See Regulations*, page 750 of CALENDAR for 1895-96.

1905. *David Brown, M.B., Ch.B. (Anatomy).*

John Tait, M.B., Ch.B. (Physiology).

XXIV.—HOULDSWORTH SCHOLARSHIP.

This Scholarship, founded by the Houldsworth Trustees for the purpose of promoting Research in Pharmacology in the Department of *Materia Medica* in the University, is of the annual value of about £49, and tenable for one year, with power to re-elect for a second, or even a third year if good work is being done by the Scholar. It is awarded to a Graduate in, or Student of Medicine of the University, after such examination, competitive or otherwise, as may be deemed necessary. The Scholar must, during his tenure, produce such evidence of his progress in Pharmacological investigation as may be required by the Professor of *Materia Medica*. For Deed of Foundation, *see* page 421 of CALENDAR for 1897-98.

1905. *Alister T. Mackenzie, M.A.*

XXV.—THE M'CUNN MEDICAL RESEARCH SCHOLARSHIPS.

Four Scholarships, each of £100, and tenable for one year, but which may be renewed for a second year, if the Trustees deem this expedient,

are open to all Graduates of Medicine of the Universities of Edinburgh, Glasgow, Aberdeen, and St Andrews, of not more than two years' standing. The subjects of Examination are:—Group A, Medicine, Surgery, Pathology, and Bacteriology; Group B, Therapeutics, Public Health, Physiology, and Physiological Chemistry. The Scholarships shall be awarded in alternate years in Groups A and B for the encouragement of original research in one or more of the subjects of Examination. A Candidate must be nominated by a Professor or Lecturer, or by a Teacher in Scotland, recognised by a Scottish University, for the purpose of Graduation in Medicine.

Applications must be made on forms supplied by the Trustees, and must be lodged with them on or before 1st September in each year. The nominated candidates shall be examined in the month of October annually in the subjects in one of Groups A or B, as the case may be, and the tenure of the Scholarships shall date from 1st November following. Due notice of the time and place of the Examination will be given by advertisements in the *Scotsman* and *Glasgow Herald*, or in such form as the Trustees may direct.

The Scholars shall prosecute research in one or more of the subjects in which he has been examined in such Institutions at home or abroad, as may be approved by the Trustees. The Scholarships shall be payable half-yearly in advance. Before receiving payment of the second instalment the Scholars shall transmit to the Secretaries to the Trustees a satisfactory report of work done, or in progress, and a satisfactory certificate from the authority under whose supervision they are working. If not satisfied with the Scholar's progress or conduct the Trustees may suspend or withhold payment of any second or subsequent instalment. The Scholarships shall not be held along with any other Scholarship or position of emolument, except in study or research, and with the written sanction of the Trustees, and the Scholars shall ordinarily be expected to devote their whole time to subjects of research. Each Scholar in any work or communication to any Medical or Scientific Journal or Society, published during his tenure of a Scholarship, or as the result of researches performed during that time, but published later, shall use the words after his name and titles, "M'Cunn Scholar."

XXVI.—THE GROCERS' COMPANY OF LONDON OFFER

Scholarships of £300 a year, with an allowance to meet cost of apparatus and other expenses in connection with the Research Work, tenable for one year, but renewable for a second or third year, subject to the conditions of the Scheme under which they are established. Apply to the Clerk to the Grocers' Company, Grocers' Hall, London, E.C., from whom forms of application, and all necessary information may be obtained.

III.—BURSARIES.

See Note under Bursaries, page 180.

No. of Foundation.	Year of Found.	Name of Founder.	No. of Bursars.	For Years.	Annual Allowance to each Bursar.	Patrons.
I.	1864	Dr Abercromby, Cape Town.	1	4	£20 0 0	Governors of George Heriot's Trust.
II.	1871	Dr J. R. Sibbald's Trustees.	5	3	30 0 0	Trustees of Dr J. R. Sibbald.
III.	1873	Dr Mackie's Trustees.	2	2	29 6 6	Professors of Fac. of Med. in Univ., Edin.
IV.	1873	Mr Grierson of Ogc- castle's Trustees.	3	1	20 0 0	} Senatus.
			1	1	10 0 0	
			1	1	10 0 0	
V.	1878	Dr Andrew Thomson	8	4	25 0 0	Trus. of Dr Thomson.
VI.	1878	William Mackenzie	4	1	8 8 6	Senatus.
VII.	1878	John Aitken Carlyle	2	1	23 19 6	Senatus.
					About	
VIII.	1882	Mrs Ronald of Liver- pool	2	...	40 0 0	Senatus.
IX.	16—	George Heriot. Re- modelled 1887	6	4	30 0 0	Governors of George Heriot's Trust.
X.	1890	Major Robert Orr Crichton of Lynn, M.D.	10	4	50 0 0	Senatus Academicus.
XI.	1809	Dr Donald Grant, London.	2	4	90 0 0	Dr Grant's Trustees.
					About	
XII.	1846	John Jamieson, Edin- burgh.	1	4	26 0 0	Principal and Two Professors.
XIII.	1883	Wm. Renton, Edin- burgh.	1	1	19 11 0	Professors of Mathe- matics, Natural Philosophy, Chem- istry, and Political Economy.
					About	
XIV.	1886	Richard Allan, Feuar, Kelso.	3	3	30 0 0	Trustees of R. Allan.
XV.	1889	Daniel Maclaurin, London.	1	4	76 10 0	Town Council.
XVI.	1897	M'Cosh (Graduates).	1	1	171 14 10	Senatus.
XVII.	1897	M'Cosh (Medical).	1	1	12 7 10	Senatus.
XVIII.	1905	Dr John Grigor, Nairn	1	5	30 0 0	Trustees of Dr Grigor

I. *Abercromby Bursary*.—Open by competition, in the event of more than one candidate coming forward, to Students who have been educated in George Heriot's School, and have finished their course as Heriot Bursars, to aid them in further prosecution of their studies for any of the learned professions. Students in the Faculty of Medicine to be always preferred. Candidates are referred to the Treasurer of the Heriot Trust, 20 York Place, Edinburgh, before 1st September.

II. *Sibbald Bursaries*.—These Bursaries, each tenable for three years, are available to Students in the Faculties of Arts, Medicine, Law, or Divinity,

entering the University who have not previously attended any University in the United Kingdom or elsewhere, and who do not hold any other Bursary or Scholarship, but no objection to a Candidate that he has, during the previous Summer Session, attended any of the Classes in the University of Edinburgh required by the Faculties of Medicine or Law. The examination is the same as the Preliminary and Bursary Examination in the Faculty of Arts at the commencement of each Winter Session. Application to be made to Messrs Mackenzie, Innes & Logan, W.S., 23 Queen Street, Edinburgh, before 15th September.

III. *Mackie Bursaries*.—These Bursaries are awarded to Students of Medicine of the University, one of which is open to Students who have completed their first *annus medicus*, and the other to Students who have completed their second *annus medicus*, and who are, in the opinion of the Faculty of Medicine, in such pecuniary circumstances as to require assistance. In the event of no appointment having been made to either Bursary on any occasion when it is vacant, the Senatus may, on the recommendation of the Faculty of Medicine, appoint any Candidate to the vacant Bursary who has completed either his first or his second *annus medicus* and who otherwise satisfies the requirements of tenure. *Bursars*—1904, first year, J. C. Craig, M.A., and Alex. P. Watson, equal; second year, Gordon G. Jolly.

IV. *Grierson Bursaries*.—Candidates from the parishes of Crawford or Leadhills, about to commence their Medical Curriculum, who have passed in the University of Edinburgh a satisfactory examination in the preliminary subjects required by the Regulations for Graduation in Medicine, who have been diligent students, and who require pecuniary aid to enable them to pursue their studies, have a preference. In the case of more candidates than one, the Bursary will be awarded to the best qualified, on examination in the subjects above referred to.

Failing the appointment of preferential candidates, the Bursaries will be tenable for periods of one year only, in manner following, viz. :—*One* will be awarded to the student who, not having completed his twenty-first year, shall pass the best examination of the year in the subjects of the preliminary examination, provided (1) that he has not already passed the said preliminary examination; and (2) that, in the event of his having passed an equivalent examination and presenting himself for the Medical Preliminary Examination, he shall waive all right to admission to the Faculty of Medicine except through the ordinary Medical Preliminary Examination of this University.¹ *One* will be awarded by competitive examination to the student beginning the Second Winter Session, who having already passed the Preliminary Examination required for Graduation in Medicine, shall pass the best examination in the subjects of Chemistry, Botany, Natural History, and Physics. *One* will be awarded by competitive examination to the student beginning the Third Winter Session who, having already passed the First Professional Examination, shall pass the best examination in the subjects of Anatomy and Physiology. *One* will be awarded by competitive examination in *Materia Medica* at the beginning of the Fourth Winter Session. *One* will be awarded by competitive examination in Pathology at the beginning of the Fifth Winter

¹ See footnote, page 495.

Session. *Bursars*—1905, Preliminary Subjects, *R. B. Chamberlain*; First Professional Subjects, *J. Montgomery*; Anatomy and Physiology, *John Marshall*; Materia Medica, *David Lees, M.A.*; Pathology, *No award*.

V. One *Thomson Bursary* is awarded at each of the Preliminary Examinations held in Spring and Autumn, to the Candidate who, being about to commence his Curriculum, takes the highest place in the Medical Preliminary Examination: provided (1) that he has not already passed the said Preliminary Examination; and (2) that, in the event of his having passed an equivalent examination and presenting himself for the Medical Preliminary Examination, he shall waive all right to admission to the Faculty of Medicine except through the ordinary Medical Preliminary Examination of this University. Students of the name of Thomson or Traquair, or those who are natives of the town or county of Dumfries, or of the city of Edinburgh, have a preference. Candidates must enter for the Preliminary Examination in Autumn or Spring, and those claiming a preference must intimate their names to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh, the agents for the Trust (from whom further particulars may be obtained), at least one clear week before the Examinations.¹ *Bursars*—1902-1903, *David Thomson*. 1903-1904, *Richard C. Alexander*; *George R. Inglis*. 1905, *Nicholas Purcell*.

VI. *Mackenzie Bursaries*, open to Students of Anatomy Classes, of any year, who shall display the greatest industry and skill in Practical Anatomy during the Winter Session. See CALENDAR for 1879-80, p. 353. *Bursars*—1905, *W. G. Collart, J. G. Thomson, Fred. Dillon, and J. C. B. Grant*.

VII. *John Aitken Carlyle Bursaries*, one is awarded at the end of every Winter Session to a first year Student for proficiency shown in the ordinary class examinations in Anatomy and Chemistry, the other to a second year's Student for proficiency shown in the ordinary class examinations in Anatomy and Physiology. See CALENDAR for 1879-80, p. 350. *Bursars*—1904, Senior, *H. M. Anderson*. Junior, *J. Argyll Campbell*; *Prox. access., G. E. J. Mackay*.

VIII. The *Anderson Bursaries* have been founded by Mrs Ronald of Liverpool, and will come into operation on the death of an annuitant. For Deed of Foundation, see CALENDAR 1882-83, p. 396.

IX. The *Heriot Bursaries* are for Students unconnected with the Hospital, entering upon a regular Curriculum with a view to graduation. For remodelled scheme, see CALENDAR, 1887-88, p. 498. For subjects of Examination, &c., see under Bursaries in Faculty of Arts.

X. *Crichton Bursaries*.—Two of these Bursaries are open annually—one in Autumn and one in Spring—to Students entering the Faculty of Medicine of this University who have been born in Scotland. The subjects of Examination are Latin, Greek, French, German, Mathematics, Logic, and Moral Philosophy. Each Bursary is of the annual value of £50, tenable for four years, pro-

¹ See footnote, page 495.

vided the Bursars continue Students of the Medical Faculty of this University. See Excerpt from Deed, p. 540 of CALENDAR for 1891-92, and Regulations, p. 749 of CALENDAR for 1895-96. *Bursars*—1902, *George M. Mackay*. 1903, *Michael Gavin*. 1904, *Wm. Ross. M.A.* 1905, *Emelius C. Mackay*.

XI. *Grant Mortification*.—The holders may attend the Arts, Medical, Divinity, or Law Classes. Application for information may be made to Messrs Mackenzie, Innes & Logan, W.S., 23 Queen Street, Edinburgh.

XII. The *Jamieson Bursary* is for the benefit of the sons of schoolmasters, farmers, mechanics, and labourers, and other persons born and residing within any one of the following parishes—viz., Crawfordjohn, Crawford, united parishes of Lamington and Wandell, united parishes of Wiston and Robertson, Culter and Biggar. The Bursar may attend Classes in any of the Faculties.

XIII. The *Renton Bursary*, founded by the late William Renton. Candidates must attend one or more of the classes of Natural Philosophy, Mathematics, Chemistry, or Political Economy, and must show that they require pecuniary aid. It cannot be held by any one under the age of sixteen or above twenty-one, or with another Bursary of the value of £30 or upwards. The Examination is in English and Mathematics, as for the First Year Open Bursaries in Arts.

XIV. *Allan Bursaries*.—These Bursaries are available to Students attending classes in any of the Faculties of Arts, Science, Medicine, or Law, in the University of Edinburgh, and are tenable for three years or for such part of that period as the Bursar shall remain a Student at the University. In nominating Candidates for presentation to the Bursaries, care will be given to prefer such as have been born in the parish of Kelso, provided they are qualified by their previous education for entering the University. Apply to P. Stormonth Darling, Esq., writer, Kelso.

XV. *Maclaurin Bursary*. This Bursary, tenable for four years, is by the will of the founder to be called the “Maclaurin Bursary,” and is restricted to Students of the Founder’s name of Maclaurin (or in Gaelic orthography “Maclalhrin”). It may be held in any of the Faculties. See Deed of Foundation, p. 544 of CALENDAR for 1890-91.

XVI., XVII. *The M’Cosh Graduate’s Bursary and M’Cosh Medical Bursary*. Each Bursary is tenable for one year, during which the holder will be required to prosecute Study or Research in a Medical School or Medical Schools of Europe, it being in the discretion of the Faculty of Medicine to award both Bursaries to the same person. Applications for the Bursaries must be made to the Dean of the Faculty of Medicine not later than the end of the third week of July, and must be accompanied with a statement of the name or names of the Medical School or schools intended to be visited, of the time proposed to be spent at each school, and of the nature of the study or special work proposed to be engaged in. Bachelors of Medicine and Bachelors of Surgery are eligible for appointment during one year after receiving these degrees. In considering the claims of candidates, the Faculty of Medicine will take into account not only their professional attainments and ability, but also the knowledge they possess of foreign languages; and it shall be in the option of the Faculty to satisfy themselves with regard to

this knowledge by the examination of candidates. Candidates who already hold a Bursary, Scholarship, or Fellowship will not be disqualified except in cases where the Bursary, Scholarship, or Fellowship requires, as a condition of tenure, the prosecution of Original Research, or some other condition which may be interfered with by the holding of a M'Cosh Bursary. Holders of the Bursaries will be required at the end of each three months to transmit to the Dean of the Faculty of Medicine a report of the manner in which they are pursuing their studies, or of the progress being made in any special work in which they are engaged.

1904. *William J. Maloney, M.B., Ch.B.*

XVII. *The Grigor Bursary* was founded by the late Dr John Grigor, Nairn, and is to be held by a young man who is a native of the county of Nairn, or who, at the date of application, is resident in the county of Nairn, and has for five years previously resided in said county, and whose parents are unable to defray the cost of a Medical Education for him, to enable such young man to pursue his Medical Studies at Edinburgh University.

The Bursary is tenable for five years. Applicants must not be under the age of seventeen. Apply to A. Cumming, solicitor, Nairn, Clerk to the Trustees, on or before 31st August next, from whom copies of the regulations may be had.

IV.—PRIZES.

See Note under Bursaries, page 180.

I.—NEIL ARNOTT PRIZE FOR EXPERIMENTAL PHYSICS.

This Prize, of the value of about £39, presented to the University by Dr Neil Arnott of London, is awarded annually in October to the Candidate who shall pass with the greatest distinction the Ordinary Examination in Natural Philosophy for the Degree of M.A., with such additional Examination in Experimental Physics as the Examiners may require. Candidates must have been Students of Medicine of this University during either a summer or a winter session; and the successful candidate must continue a Student of Medicine at this University during the next Winter Session, failing which, the prize will be forfeited and assigned to the competitor next in merit. No student can appear for examination after the completion of his third *annus medicus*; and no candidate shall be allowed to offer himself more than once.

In the event of a competitor, qualified as above, not coming forward, the prize will be awarded to a Candidate for a Degree in Arts who shall pass with most distinction the ordinary examination in Natural Philosophy. *See Deed of Foundation at p. 274 of CALENDAR for 1870-71.*

1905. *R. A. Wilson.*

II.—THE ROBERT WILSON MEMORIAL PRIZE.

This Prize was founded by John Wilson of South Bantaskine, in memory of his son, Robert Wilson, and is of the value of about £8 in money and a bronze medal. It is annually awarded at the close of the Winter Session to the student in the senior Chemistry Class who takes the highest honours. *See* Deed of Foundation at p. 351 of CALENDAR for 1876-77.

1906.

III.—PRIZES FOR THESES.

Gold Medals, each of the value of £10, are awarded annually on the day of graduation to Doctors of Medicine whose Theses are deemed worthy of that honour.

IV.—THE WIGHTMAN PRIZE IN CLINICAL MEDICINE.

This Prize, of about £15, was founded by Mrs E. Wightman, in memory of her son, J. T. Wightman, M.B., C.M., and is annually awarded at the close of the Summer Session to the student attending the Class of Clinical Medicine for the best Dissertation on any subject presented by the Faculty of Medicine, or for the best Report and Commentary on cases which have during the previous Winter and Summer Sessions been treated in the University Clinical Wards in the Royal Infirmary. Three months' notice of subject is given by the Faculty of Medicine. *See* Deed of Foundation at p. 348 of CALENDAR for 1876-77.

The Prize, which is open to members of the Clinical Class of either Winter 1905 1906 or Summer 1906, will be awarded for the best report and commentary on cases. The Essays to be given in on or before the second Monday in July.

1905. *Charles M'Neil, M.B., Ch.B.*

V.—THE BEANEY PRIZE.

This Prize, of about £32, was founded in 1878 by James George Beane, Esq., of Melbourne. It is awarded at the Graduation Ceremonial in Medicine to the Graduate in Medicine and Surgery of the year who, having attended within the University courses on Anatomy, Surgery, and Clinical Surgery qualifying for Graduation, obtains the highest number of marks during his examinations in these subjects for the Degrees of Bachelor of Medicine and Master in Surgery. The Senatus has the power of withholding the Prize in the event of no Student passing the above examinations with sufficient merit. *See* Deed of Foundation at p. 371 of CALENDAR for 1878-9.

1905. *William M'D. Scott, M.B., Ch.B.*

VI.—THE CAMERON PRIZE.

This Prize was founded in 1878 by the late Dr Andrew Robertson Cameron, of Richmond, New South Wales, with a sum of £2000. The regulations were remodelled by the Educational Endowments (Scotland) Commission, and the annual proceeds, which, after defraying the necessary expenses, amount to about £80, may be awarded annually to a person who in the course of the five years immediately preceding has made any highly important and valuable addition to Practical Therapeutics. The Prize-man is required to deliver a lecture or course of lectures on the addition to Practical Therapeutics so made by him, or to publish an account of such addition in such manner as the Senatus may prescribe. The prize will not be awarded if, in the opinion of the Senatus, no addition to Practical Therapeutics has been made within the said period of five years of sufficient importance and value to justify the awarding of the prize. The prize is awarded annually at the Graduation Ceremonial in August. *See Remodelled Regulations, p. 497 of CALENDAR for 1888-89. 1904. Dr Niels Finsen.*

VII.—THE DOBBIE SMITH PRIZE IN BOTANY.

This prize, which consists of a Gold Medal, is open to competition each alternate year to all Matriculated Students of the year of the award, for an Essay on a Botanical subject. The subject of the next competition is an original investigation "On the Structure, Development, and Life History of any British Flowering Plant"; and the memoir is to be accompanied with a series of illustrative specimens. Competing Essays to be sent to the Dean of the Faculty of Medicine on or before the 1st July 1905. The prize will be awarded to the successful competitor at the Graduation Ceremonial in July 1905. 1903. *Alexander N. Bruce.*

VIII.-XVIII.—THE GUNNING VICTORIA JUBILEE PRIZES.

Dr Gunning, of Edinburgh and Rio de Janeiro, has founded Eleven Post-Graduation Prizes of the value of £50 each, viz.:—(1) The Monro prize for Anatomy; (2) The Bell prize for Physiology; (3) The Edward Forbes prize for Zoology, &c.; (4) The Hutton Balfour prize for Botany; (5) The Joseph Black prize for Chemistry; (6) The Christison prize for Materia Medica; (7) The Lister prize for Surgery; (8) The Gregory prize for Practice of Physic; (9) The John Thomson prize for Pathology; (10) The Simpson prize for Obstetrics; (11) The Alison prize for Forensic Medicine and Public Health. Candidates must be either Bachelors of Medicine or Bachelors of Science of this University of not more than three years' standing. The prizes will be awarded with the approval of the Senatus for (1st) either (a) Competitive Essays written specially for the prizes, or (b) Theses submitted for Graduation; or (2nd) for

original research conducted under supervision of the Professor in the department in which the prize is awarded. Two prizes will be awarded annually in the following rotation, viz. :—Obstetrics, Forensic Medicine and Public Health, Anatomy, Chemistry, Practice of Physic, Physiology, Botany, Surgery, Pathology, Zoology, and Materia Medica. Competitive Essays are required to be lodged with the Dean of the Faculty of Medicine on or before 30th April of the year in which each prize is to be awarded, and the successful competitors will be announced annually at the Graduation Ceremonial in Medicine.

1905. *Alexander N. Bruce, B.Sc. (Zoology).*

XIX.—ANDERSON HENRY PRIZE.

The Prize was founded by Isaac Anderson Henry of Woodend, and consists of the proceeds of a sum of £300 accumulated for three years. It is awarded for the best and approved essay on a botanical subject proposed by the Professor of Botany, the Curator of the Royal Botanic Garden, and the President of the Botanical Society of Edinburgh, for competition to students in the Class of Botany in the University of Edinburgh, during any of the three years preceding the date of the award. The next award may be made in July 1906. Competing Essays to be sent to the Dean of the Faculty of Medicine on or before 1st July 1906.

XX.—MILNER FOTHERGILL MEDAL IN THERAPEUTICS.

This Medal, of the value of about £20, is awarded biennially. It is open for competition to Graduates in Medicine of the University, who have been members of the Class of Materia Medica in the University, for the best essay which shall include a description of original research made by the Candidate on a Pharmacological or Therapeutic subject, preference being given to a subject relating to Dietetics. *See* Deed of Foundation, p. 542 of CALENDAR for 1891-92. The next award may be made at the Graduation Ceremonial in August 1907. Essays to be lodged with the Professor of Materia Medica on or before 30th April 1907.

1905. *John Eason, M.D., C.M.*

XXI.—PATTISON PRIZE IN CLINICAL SURGERY.

This Prize, of about £11, is awarded annually to the Student of the University Class of Clinical Surgery who shall write the best Report and Commentary on cases treated in the University Surgical Wards during the Academic Year. The Essays to be given in on or before the second Monday in July.

1905. *Fleet F. S. Smith.*

XXII.—GILFILLAN MEMORIAL PRIZE.

The capital of this prize was subscribed by women students, £217, 16s., and the balance by Mr Samuel Gilfillan, £132, 4s., in memory of the late Miss Dorothy Gilfillan, M.B., Ch.B. It is of the value of about £11, and is awarded annually at the Graduation Ceremonial in July to the most distinguished woman student at the Final Examination for Degrees in Medicine.

1905. *Charlotte Rose Greenfield, M.B., Ch.B.*

XXIII.—CONAN DOYLE PRIZE.

The Conan Doyle Prize of about £32 is awarded annually at the Graduation Ceremonial to the most distinguished Graduate (M.B. Ch.B.) from South Africa, as determined by the marks obtained at the various Professional Examinations. The Prizeman shall be free to receive any other Prize, Scholarship or Fellowship which may be awarded to him.

1905. *J. Z. H. Rousseau, M.B., Ch.B.*

FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, AND PRIZES OPEN TO COMPETITION IN THE FACULTY OF MEDICINE IN 1906-1907.^{1 2}

I. FELLOWSHIPS.^{1 2}

1. *The Leckie-Mactier Fellowship*, No. III., page 491.
2. *The Allan Fellowship in Clinical Medicine and Clinical Surgery*, No. V., page 491.

II. FUNDS FOR RESEARCH, &c.

1. *The William Dickson Travelling Fund*, No. I., page 212.
2. *Earl of Moray Fund for the Promotion of Original Research*, No. II., page 212.
3. *Carnegie Post-Graduate Scholarships, Fellowships, and Grants in Aid for Research in Medicine*, No. III., page 213.
- 4-7. *Four M'Cunn Medical Research Scholarships*, No. XXV., page 499.

¹ From the amounts of the Fellowships Income Tax will be deducted, which may be recovered by the Scholars; and in some cases a deduction will be made for the expenses of administration. The accuracy of the figures is not guaranteed.

² *N.B.*—The values of the Fellowships, Scholarships, Bursaries, and Prizes are subject to variation consequent on the rise or fall of the rate of interest, &c. No Candidate will be allowed to hold the same Fellowship, Scholarship, Bursary, or Prize more than once.

III. SCHOLARSHIPS.¹

1. *Vans Dunlop Scholarship in Preliminary Subjects*, No. V., page 494.
2. *The Thomson Scholarship*, No. III., page 493.
3. *Sibbald Medical Scholarship*, No. II., page 493.
- 4, 5. *Two Crichton Scholarships for Research in Materia Medica and Pathology*, No. XX., page 499.
6. *The Mouat Scholarship in Practice of Physic*, No. XVIII., page 498.
7. *The Murchison Memorial Scholarship*, No. XII., page 497.
8. *The Buchanan Scholarship*, No. XIV., page 497.
9. *The James Scott Scholarship*, No. XV., page 498.
10. *The Ettles Scholarship in Medicine*, No. I., page 493.
- 11, 12. *Two Hope Prize Scholarships*, Nos. XVI. and XVII., page 498.
13. *The Houldsworth Scholarship*, No. XXIV., page 499.
14. *The Grocers' Company of London Scholarships for Research*, No. XXVI., page 500.

IV. BURSARIES.¹

Town Council Bursaries.—Candidates for Bursaries in the gift of the Town Council, a number of which are vacant (and some of which may be held in the Faculty of Medicine), are referred to the "*City Clerk, Council Chambers, Edinburgh*," to whom early application should be made.

1. *The M'Cosh Graduate's Bursary and M'Cosh Medical Bursary*, Nos. XVI. and XVII., page 504.

2, 3. *Two Sibbald Bursaries*, No. II., page 501. For particulars, apply to Messrs Mackenzie, Innes & Logan, W.S., 23 Queen Street, Edinburgh, before 13th September.

4, 5. *Two Thomson Bursaries*, No. V., page 503. Candidates claiming a preference must send their names to Messrs Traquair, Dickson & Maclaren, W.S., 11 Hill Street, Edinburgh, one clear week before the Examination.

6-10. *Five Grierson Bursaries*, No. IV., page 502. Competitions for the Bursary in Preliminary subjects will take place in September 1905 and March 1906. The competition for the Second, Third, Fourth, and Fifth year Bursaries will take place in October 1906, on dates to be afterwards announced. Names of Candidates to be entered on or before 1st October.

11, 12. *Two Mackie Bursaries*, No. III., page 502.

See footnotes 1 and 2, page 509.

- 13, 14. *Two John Aitken Carlyle Bursaries*, No. VII., page 503.
- 15-18. *Four Mackenzie Bursaries*, No. VI., page 503.
19. *Renton Bursary*, No. XIII., page 504. Names of Candidates to be entered at the Secretary's Office on or before 21st September.
- 20, 21. *Two Crichton Bursaries*, No. X., page 503.
22. *Grigor*, No. XVIII., page 505.

Competitors for the above Fellowships, Scholarships, and Bursaries, excepting those awarded for the subjects of Preliminary Examination, must have studied the subjects of Examination at the University of Edinburgh. No Fellowship, Scholarship, or Bursary, with the exception of the Freeland Barbour Fellowship, and Ettles and Murchison Scholarships, can be held along with any other Fellowship, Scholarship, or Bursary.

V. PRIZES.¹

The Medical Faculty Medals.—Gold Medals are given on the day of Graduation to Doctors of Medicine whose Theses are deemed worthy of that honour.

1. *Ellis Prize in Physiology*, No. IV., page 338.
2. *The Neil Arnott Prize*, No. I., page 505.
3. *The Beaney Prize*, No. V., page 506.
4. *The Cameron Prize*, No. VI., page 507.
- 5, 6. *Two Gunning Victoria Jubilee Prizes*, one in Anatomy and one in Chemistry, No. VIII., page 507. Essays, Theses, or descriptions of researches are required to be lodged with the Dean of the Faculty of Medicine on or before 30th April 1907.
7. *The Conan Doyle Prize*, No. XXIII., page 509.
8. *The Wightman Prize*, No. IV., page 506. The Essays to be lodged with the Dean of the Faculty of Medicine on or before the second Monday in July.
9. *The Pattison Prize*, No. XXI., page 508. The Essay to be lodged with the Dean of the Faculty of Medicine on or before the second Monday in July.
10. *The Robert Wilson Memorial Prize*, No. II., page 506.
11. *The Dorothy Gilfillan Memorial Prize*, No. XXII., page 509.
12. *Gray Prize Essay Fund*, No. III., page 196.
13. *The Lord Rector's Prize.*—This Prize of Twenty-five Guineas will be awarded for the best Essay on:—"The Place of the University in Scottish History." The Competition is open to Students of the University who have Matriculated during the Academic year 1905-6, and to Graduates of not more than two years' standing at the date of

¹ See footnotes 1 and 2, page 509.

lodging the Essay. Essays must be lodged with the Secretary of Senatus on or before Wednesday, 9th January 1907. No Essay will be received after that date. Each Essay must be distinguished by a motto and accompanied by a sealed envelope containing the name, address, and University standing of the Candidate.

LECTURESHIP.

The Swiney Lectureship on Geology, value £144 per annum, tenable for five years, is open to Graduates of the University of Edinburgh. It is in the patronage of the Trustees of the British Museum.

All holders of Fellowships, Scholarships, and Bursaries in the Faculty of Medicine must annually attend at least two of the Classes necessary for the Degrees of M.B. and Ch.B., and must present themselves for the several Examinations necessary for these Degrees at the proper periods in the Curriculum.

Holders of Fellowships, Scholarships, or other pecuniary awards implying original Research on the part of the holder, are not allowed to assume any other office, but must devote their whole time to the Research authorised by the Senatus.

Each Fellow, Scholar, Bursar, or Prizeman, when he applies to the Factor for payment, must produce a Certificate signed by the Dean, attesting his regular attendance on the proper Classes, &c., or otherwise that he has fulfilled the conditions attached to the Foundation.

Certificates, in terms of this regulation, will be given to Bursars, by the *Dean of the Faculty of Medicine*, after 14th November 1906, and 18th May 1907. In applying to the Dean for the Certificate, Bursars must present their Class Cards for the Session, and also all Class Certificates and Honours Certificates obtained since the last payment. Payments are made by the University Factor, Sir Henry Cook, W.S., 61 North Castle Street, Edinburgh, on and after 14th November for the Martinmas payments, and on and after 18th May for the Whitsunday payments,—between 10 and 3 o'clock.

N.B.—Bursars, Scholars, and Fellows who desire to resign should at once announce this to the Dean and to the Factor. They must apply to the Factor for the instalments due to them within three months after they have become payable, otherwise they will be regarded as having resigned.

D. J. CUNNINGHAM, M.D., D.Sc., D.C.L., LL.D.,
Dean of the Faculty of Medicine.

Faculty of Music.

Dean—Professor NIECKS, Mus.D.

STUDENTS who do not intend to graduate in Music may, without matriculating or passing any Preliminary Examination, attend any of the Classes on payment of the Class Fees, and the University Entrance-Fee of Five Shillings for each class.

Payment of the Entrance Fee does not entitle a Student to a Class Certificate nor confer any other University privilege.

Those desiring to graduate must pass the Preliminary Examination, and must Matriculate before enrolling in any Class if they wish the Lectures to qualify for Graduation.

The Classes, open both to men and women students, will meet as undernoted. They will meet for the last time before the Christmas Vacation on Friday, 21st December 1906; will re-assemble on Tuesday, 8th January 1907, and will be closed on Thursday, 21st March 1907. The Graduation Ceremonial in Arts, Music, &c., will be held on Friday, 12th April 1907.

The Class Fees are collected by the Factor. For the purpose of receiving Fees he will attend at the University for a short period at the beginning of the Winter and Summer Sessions, and Fees not then paid will be taken at his office, 61 Castle Street. All communications regarding Class Fees should be addressed to, and all cheques for same drawn in favour of The Collector of Class Fees, Edinburgh University.

See as to payment of Class Fees by the Carnegie Trust, page 164.

Programme of Classes.

WINTER SESSION, 1906-1907.

PROFESSOR NIECKS.

Lectures, Theoretical and Practical Instruction, and Concerts, in the Winter Session of 1906-1907 :—

I. HISTORY OF MUSIC,

from the beginning of the Christian Era to the Present Day, especially of the 15th, 16th, and 17th Centuries.

Once a week (Thursdays, 3-4), beginning 18th October. Fee, One Guinea.

2. MUSICAL ANALYSIS.

The interaction of Nature and Art in Music : Acoustics and Æsthetics (with acoustical and musical illustrations).

Once a week (Mondays, 3-4), beginning 15th October.
Fee, One Guinea.

3. MUSICAL FORM, THEORETICAL AND PRACTICAL.

Once a week (Thursdays, 4-5), beginning 18th October.
Fee, Two Guineas.

4. HARMONY.

Twice a week (Tuesdays and Fridays, 3-4), beginning 16th October. Fee, Two Guineas.

5. ADVANCED HARMONY.

Twice a week (Tuesdays and Fridays, 4-5), beginning 16th October. Fee, Two Guineas.

6. COUNTERPOINT AND COMPOSITION.

Once a week (Mondays, 4-5), beginning 15th October. Fee, Two Guineas.

7. TUTORIAL CLASSES,

supplementary to the above Harmony and Counterpoint Classes, conducted by Mr Matthew Shirlaw, Mus.B., under the supervision of the Professor, viz. :—

(a) Tutorial Harmony.

Once a week (Wednesdays, 2-3), beginning 17th October.
Fee, Half-a-Guinea.

(b) Tutorial Advanced Harmony.

Once a week (Wednesdays, 3-4), beginning 17th October.
Fee, Half-a-Guinea.

(c) Tutorial Counterpoint.

Once a week (Thursdays, 2-3), beginning 18th October.
Fee, Half-a-Guinea.

8. SERIES OF HISTORICAL CONCERTS.

Fee for these Concerts, Half-a-Guinea. Those attending any of the Music Classes are admitted free.

EXAMINERS FOR DEGREES.

Professor Niecks, Sir Alexander C. Mackenzie, and the Examiners in English, French, Italian, and German for M.A. Degree.

MUSIC CLASS-ROOM LIBRARY.

The Reading Room of this Library is open for the consultation and study of musical works and books on music to those attending the Music Classes, daily, except Saturday, from 2 to 5 o'clock.

MUSEUM.

The Museum of Musical and Acoustic Instruments is open to Music Students.

MATRICULATION FEES.

For the Academical Year, 1st October to 1st October . £1 1 0

For the Summer Session only, 1st May to 1st October, . 0 10 6

Candidates for Examinations or for Graduation must be matriculated for the year.

Entrance Fee for each Class for non-matriculated Students, 0 5 0

Payment of the Entrance Fee does not entitle the student to a class certificate nor confer any other University privilege.

Regulations for Graduation in Music.

I. Two degrees in Music are conferred by this University, viz., Bachelor of Music (Mus. B.), and Doctor of Music (Mus. D.).

I. PRELIMINARY EXAMINATION.

II. 1. Every Candidate for the degree of Mus. B. must pass a preliminary examination in :—(1) English, including Geography and British History ; (2) Elementary Mathematics or Elementary Physics or Logic ; (3) any two of Latin, Greek, French, German, and Italian, but one at least must be a modern language.

2. The extent and standard of the preliminary examination is determined by the Senatus.

3. A degree in Arts not being a degree *honoris causâ tantum*, in any University of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court, after consultation with the Senatus, exempts from the preliminary examination ; and the Senatus has power to determine what examinations, other than those for the degree mentioned, will be accepted in whole or in part in place of the preliminary examination.

II. BACHELOR OF MUSIC.

University Attendance.

III. Candidates for the degree of Mus. B. must attend, in the University of Edinburgh, during a whole Winter Session, a course or courses of instruction extending in all to not less than eighty Lectures, and including a course on the History of Music.

III. FIRST PROFESSIONAL EXAMINATION.

IV. There is a First Professional Examination in Music in the following subjects :—

- (1) Singing or performing upon some Musical Instrument.
- (2) Reading at Sight.
- (3) Elements of Music, including Musical Modes and Scales, Notation, Measure and *Tempo*.
- (4) Harmony in not more than four parts.
- (5) Elementary Counterpoint.
- (6) Form: Sonata, Rondo, Fugue, and Minor Structures.
- (7) Outlines of the History of Music.

The Ear Test will be applied to every Candidate.

IV. SECOND PROFESSIONAL EXAMINATION.

V. There shall be, at least one year after the candidate has passed the First Professional Examination, a second Professional Examination in Music and in Literature in the following subjects :—

- (1) One of the following languages not already taken in the preliminary examination—French, German, Italian.
- (2) Rhetoric and English Literature (including Prose Composition and a knowledge of Metrical Rules).
- (3) Harmony in not more than five parts.
- (4) Advanced Counterpoint.
- (5) Canon in two parts, and Imitation and Fugue in not more than four parts.
- (6) Form (Description of Structure and Character of Musical Forms, and Analysis of Musical Works).
- (7) Elements of Instrumentation (Compass, &c., of the Orchestral Instruments, and of the Organ and Pianoforte).
- (8) Critical Knowledge of certain prescribed Scores.
- (9) Playing at Sight from easy Vocal and Instrumental Scores, and from Figured Bass.
- (10) The History of Music.
- (11) Acoustics in so far as connected with the Theory of Music, and Physiology of the Vocal Organs.

Each Candidate will also be required to submit the following exercises composed by himself :—

- (a) A Solo Song with Pianoforte Accompaniment.
- (b) A Four-part Vocal Composition.
- (c) An Instrumental Composition (other than a Dance) for the Pianoforte or Organ, or for any Stringed or Wind Instrument with Pianoforte or Organ Accompaniment.

The extent and standard of examination is fixed by the Senatus. The examination is partly written and partly oral and practical.

V. DOCTOR OF MUSIC.

V. Bachelors of Music of this University, of not less than three years' standing, and not less than twenty-five years of age, may offer themselves for the degree of Mus. D. under the following regulations :—The degree is given in three Departments, those of (1) Composers ; (2) Executants ; (3) Theorists or Historians ; and Candidates may present themselves in one or more Departments.

VI. (1) Candidates for the degree of Mus. D. as Composers must submit a prescribed number of Vocal and Instrumental Compositions in the larger forms (such as Oratorio, Opera, Cantata, Symphony, Sonata, Overture). Each work must be the original and unaided composition of the Candidate, and must be accompanied by a declaration to that effect signed by the Candidate.

(2) Candidates will be examined in the following subjects :—

- (a) The more recondite Contrapuntal Forms—Fugal Writing in more than four parts, &c.
- (b) Instrumentation, including prescribed books on the subject.
- (c) The works of the great Composers from Palestrina onwards.

VII. (1) Candidates for the degree of Mus. D. as Executants will be required to show their special skill in the execution of Solo and *ensemble* works in different styles. The works will be selected partly by the Candidates and partly by the examiners.

(2) The Candidates will be examined in sight-reading, and must give evidence of their power of playing Orchestral Scores, and will be required to invent Transitions and to modulate from one Key and Piece to another. They will further be required to pass an examination on the History and Literature of their special instrument, and on the method of teaching that instrument.

VIII. (1) Candidates for the degree of Mus. D. as Theorists or Historians must present one or more treatises on Theoretical or Historical subjects, which must be the result of research and original thought, not mere abstracts or compilations of existing works. They must be accompanied by a declaration signed by the Candidate that they are his own unaided work.

(2) Candidates will also be required to pass an examination (*a*) in the Theory and (*b*) in the History of Music.

The examination will be on a higher standard in the subject which the Candidate selects as his specialty.

IX. The examiners for the degree of Mus. D. are the same as for the degree of Mus. B.

It is competent to the University Court of the University of Edinburgh, after consultation with the Senatus, to modify from time to time the provisions as to curriculum hereinbefore contained, in case such modification shall be rendered desirable.

X. (1) The degree of Mus. D. may be conferred *honoris causâ tantum*.

(2) The honorary degree of Mus. D. will not be conferred by the Senatus on any person unless recommended by the Faculty of Music in a reasoned representation, submitted in writing to the Senatus, and considered and approved by the Senatus at a special meeting at which not less than two-thirds of the members were present.

PRELIMINARY EXAMINATION.

The Examination in English, Latin, Greek, Mathematics, French, German, and Italian, or such other language as the Senatus may approve, is the same as the Preliminary Examination in English, Lower Latin, Lower Greek, Lower Mathematics, French, German, and Italian, or other language approved by the Senatus, for the Degree in Arts; and the Examination in Logic and Elementary Physics is of the same standard as the Preliminary Examination in these subjects for Degrees in Medicine, under the Old Regulations. The subjects are denoted in the Time-Table of the Preliminary Examinations for the Degree in Arts by the figure 3.

Candidates for Examination must apply at the Matriculation Office, University (Old) Buildings, for schedules, which must be completed and returned along with the fees, not later than 21st September 1906 and 3rd March 1907 for the autumn and spring Examinations respectively.¹

Candidates applying for information regarding the Preliminary Examination will be supplied with copies of the Regulations for the Preliminary Examinations for Degrees in Arts and in Medicine, which give the outlines and dates, &c., for the Preliminary Examination for Degrees in Music.

¹ If names are not entered, and fees are not paid, on or before the stated dates, a late-entry fee of ten shillings must be paid before the Candidate can be admitted to examination.

FEES.¹

Preliminary Examination for each appearance, 10s. 6d.

Degree of Mus. B. is £10, 10s., divided as follows:—

First Professional Examination	£3	3	0
Second Professional Examination—Literary part	1	1	0
Do. Do. —Musical part	3	3	0
For the Diploma (<i>payable at least two days before Graduation</i>)	3	3	0

Candidates who fail in any subject pay a fee of 10s. 6d. for each subject in which they are admitted to re-examination.

Candidates may pay the fees personally, or transmit them to T. GILBERT, University, Edinburgh, by *Post Office* or *Postal Orders*, or by *Bank Drafts*, crossed Union Bank of Scotland (Hunter Square Branch), Edinburgh, but not by cheques on private accounts.

DATES OF DEGREE EXAMINATIONS.

1907.

March 15. Fri. Names to be given in, Certificates shown, and fees paid, on or before this date.

FIRST PROFESSIONAL EXAMINATION.

- „ 25. Mon. Singing, Playing, Reading at Sight, and Ear Test, at 11; Harmony, at 2.
- „ 26. Tu. Counterpoint, at 10; Elements of Music, at 2.
- „ 27. Wed. History of Music, at 10; Form, at 2.

SECOND PROFESSIONAL EXAMINATION.

- „ 25. Mon. Playing at Sight from Scores, at 10; Instrumentation and Critical Knowledge of Scores, at 11; Harmony, at 2.
- „ 26. Tu. Counterpoint, at 10; Canon and Fugue, at 2.
- „ 27. Wed. History, at 10; Form, at 2.
- „ 28. Th. Acoustics and Physiology of the Vocal Organs, at 10; Rhetoric and English Literature, at 2.

¹ See footnote, page 518.

GRADUATES IN MUSIC.

THE DEGREE OF BACHELOR OF MUSIC (MUS.B.).

1906.

William Hugh Ewen.

THE HONORARY DEGREE OF DOCTOR OF MUSIC (MUS.D.).

1895.

Ebenezer Prout, B.A.

1896.

Sir Alex. Campbell Mackenzie.

1899.

Hugo Riemann, Ph.D.

Sir Herbert Stanley Oakeley,

D.C.L., LL.D.

BUCHER SCHOLARSHIP IN MUSIC.

This Scholarship was founded by the late Signor Theophile Bucher, is of the annual value of £120, and is tenable for three years; and may be extended to a period not exceeding two years. The Subjects of Examination include Harmony, Rhythm, and Counterpoint. The competition is open to young men between the age of sixteen and twenty-five inclusively, who were born in Scotland, who may show a natural talent for music and wish to make it their profession, for the purpose of improving their education, and who either are, or have been, enrolled as students in the Faculty of Music in this University. The scholar must, during his tenure of the Scholarship, prosecute the study of the science and art of Music in Italy, Germany, and France, as the Senatus, on the recommendation of the Faculty of Music, may determine. The Scholarship may be open in March 1908. Names to be entered on or before 1st March. See Scheme of Administration, page 709 of CALENDAR for 1894-95.

1905. *Wm. W. B. Moonie.*

FREDERICK NIECKS, Mus.D.,
Dean of the Faculty of Music,

JOINT BOARD OF EXAMINERS OF THE
SCOTTISH UNIVERSITIES.

A Joint Board of Examiners, which controls and supervises the Preliminary Examinations, is appointed annually by the University Courts of the four Scottish Universities, and holds office from 1st February to 31st January in the succeeding year. The Board sits for a year at each University in rotation, viz. :—Edinburgh, Glasgow, Aberdeen, St Andrews. The Principal of the University at which the Board sits is Chairman for the time, and the Secretary of the University Court is Convener.

The following are the Members of the Board for the current year (1st February 1906 to 31st January 1907), and its meetings take place at the University of Glasgow :—

Chairman—Principal The Very Rev. R. Herbert Story, D.D. LL.D., &c., University, Glasgow.

Convener—Alan E. Clapperton, B.L., 91 West Regent Street, Glasgow.

Appointed by Edinburgh University—Frederick S. Boas, M.A. (English); Professor Hardie, M.A. (Classics); Professor Chrystal (Mathematics and Dynamics); Alex. Cran, M.A., D.Litt., Ph.D. (Modern Languages).

Appointed by Glasgow University—Professor W. Macneile Dixon, Litt.D., M.A. (English); A. D. Millar, M.A. (Classics); John Miller, M.A. (Mathematics and Dynamics); Charles Martin, M.A. (Modern Languages).

Appointed by Aberdeen University—John Alexander Third, M.A., D.Sc. (English); Alexander Souter, M.A., D.Litt. (Classics); Professor Hector M. Macdonald, M.A., F.R.S. (Mathematics and Dynamics); William Scholle, Ph.D. (Modern Languages).

Appointed by St Andrews University—Professor Alexander Lawson, M.A., D.D. (English); Professor John Burnet, M.A. (Classics); Alexander Leighton, M.A., B.Sc. (Mathematics and Dynamics); J. Esser (Modern Languages).

The Joint Board from time to time issues Supplementary regulations for the Preliminary Examination, and sets the papers, which are common to all the Scottish Universities. It also gives instructions to the Examiners with a view to secure adequate and uniform examination.

PRELIMINARY EXAMINATION IN ARTS AND SCIENCE.

In addition to the Regulations, Sections III. to V. inclusively, pages 118-121, the Joint Board have made the following Supplementary Regulations:—

1. ENGLISH will include Grammar, Composition, Literature, History, and Geography.

(a) *Grammar* will include Analysis, Parsing, Derivation, and Correction of Sentences.

(b) *Composition* will include an Essay and Paraphrasing.

(c) *Literature* will comprise a knowledge of certain prescribed books of two or three writers. Questions requiring a general knowledge of the life and works of the greater writers will not be set; but one or two questions may be set, giving an opportunity to candidates who have read widely in English Literature to show their knowledge.

The books prescribed are:—For September-October 1906—1. Shakespeare, *As You Like it*. 2. Scott, *Woodstock*. 3. Hazlitt, *Essays on Poetry* (edited by D. Nichol Smith). For March-April and September-October 1907—1. Shakespeare, *A Midsummer Night's Dream*. 2. Miss Austen's *Emma*. 3. *Golden Treasury* (1st series), books ii. and iv. 4. Carlyle, *Heroes and Hero Worship*.

(d) *History* will include a knowledge of one of the three following periods, questions in each of which will be set in each examination, namely:—The Outlines of the History of both England and Scotland: (a) from the Roman occupation to 1603; (b) from 1603 to the Union of the Parliaments in 1707; (c) from the Union of the Parliaments to the Reform Bill of 1832.

(e) *Geography* will include a general knowledge of the Geography of the World, and a special knowledge of the Geography of the British Empire.

2. The LATIN Examination on the Higher Standard will include Translation, Prose Composition, Grammar, and Sentences.

3. The GREEK Examination on the Higher Standard will include Translation, Sentences (or an easy passage of continuous English Prose set either as an alternative or as a substitute), and Grammar.

The passages for Translation both from Greek and Latin will include Prose and Verse.

4. The LATIN Examination on the Lower Standard will include Translation and Parsing, Prose Composition, Grammar, and Sentences.

5. The GREEK Examination on the Lower Standard will include Translation, Sentences, and Grammar.

In the Latin and the Greek papers, both on the Higher and Lower Standards, Candidates are required to satisfy the Examiners both in composition and in translation.

Candidates who, having taken in *Latin* or *Greek* the Examination on the Higher Standard, have failed to pass on that Standard, but have obtained a percentage of marks equivalent to a pass on the Lower Standard, may be held by the Board to have passed the Examination on the Lower Standard. But those to whom it is important to obtain a Lower Pass, in the event of failure for the Higher, are advised to take the Lower Paper.

6. In the Examination in MATHEMATICS on the Higher and Intermediate, and on the Lower Standards, each question in Geometry will consist of two parts, of which one will be an easy deduction or illustrative exercise on the proposition set as book work.

The papers in Mathematics on the Higher Standard and on the Intermediate Standard will be devoted to the various subjects comprised in them as nearly as possible in the following proportions:—Two-fifths to *Geometry*, two-fifths to *Algebra* (including *Arithmetic*, if thought desirable), and one-fifth to *Trigonometry*.

Candidates for the Higher Standard may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a Candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

The pass mark for Candidates on the Intermediate Standard is fixed with reference to the total number of marks assigned to questions which fall under the syllabus of the Intermediate Standard; but such Candidates will receive credit for any question they may answer.

The paper in MATHEMATICS on the Lower Standard will be devoted to the various subjects comprised, in as nearly as possible the following proportions:—Four-ninths to *Geometry*, three-ninths to *Algebra*, and two-ninths to *Arithmetic*.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a Candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

7. The paper on DYNAMICS will be directed to test the Candidate's knowledge of the fundamental principles of the subjects included in it, as defined by the Regulations, Section III. (8), page 119.

Questions may be set which involve the Trigonometry of right-angled triangles.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each section of the paper.

8. For the Examination in FRENCH and GERMAN :—

A. *In the Examinations to be held in 1906 :—*

Two papers will be set in French and two in German, an hour and a half being allowed for the first paper, and two hours for the second ; the first paper to contain a passage for translation from English into French or German, with some short sentences of an idiomatic character ; the second paper will contain a set of grammatical questions, two passages for translation into English (one in verse, one in prose), and a selection of Literary or Philological questions, from which the Candidate will be allowed to choose *one only*. A higher value is attached to the first paper in both French and German.

The authors prescribed for literary questions in 1906 will be as follows :—

French (XVIIIth Century)—Pascal, Descartes, Corneille, Racine, Molière, Boileau, La Fontaine, Mme. de Sévigné, Bossuet, Fénelon, La Rochefoucauld, La Bruyère.

German.—Klopstock, Wieland, Lessing, Herder, Bürger, Voss, Friedrich Leopold Stolberg, Höltz, Leisewitz.

B. *In the Examinations to be held in 1907 :—*

Two papers will be set in French and two in German, two hours being allowed for each ; the first paper to contain a passage for translation from English into French or German, and a test in free composition on some easy subject ; the second paper will contain a few grammatical and easy philological questions, two unseen pieces for translation into English (one in prose, one in verse), and a selection of literary questions from which the candidate must choose *one only*. The Candidate will be expected to satisfy the Examiners on the first paper in the language which he takes.

Literature will comprise a general knowledge of the life and works of four standard writers (for French literature, two at least from the nineteenth century, and one at least from the seventeenth century), with special reference to one particular work by each of them. Two of the authors will be changed from year to year.

The authors prescribed for literary questions in 1907 will be as follows, viz. :—

French.—La Fontaine, *Fables*, book vii. ; Molière, *Le Bourgeois Gentilhomme* ; Victor Hugo, *Hernani* ; Taine, *Voyage aux Pyrénées*.

German.—Lessing, *Minna von Barnhelm* ; Schiller, *Ballads* ; Goethe, Extracts from *Dichtung und Wahrheit* (School Text) ; Freytag, *Soll und Haben* (School Text).

EXAMINATIONS EXEMPTING FROM THE PRELIMINARY
EXAMINATION IN ARTS AND SCIENCE.¹

The Joint Board accept the following Examinations as exempting from the Preliminary Examination in Arts and Science, either *wholly* or *in part* :—

1. A Degree in Arts or in Science, not being an Honorary Degree, in any of the Universities of the United Kingdom, shall exempt from the Preliminary Examination in Arts or in Science, as the case may be.

2. For the Preliminary Examination in Arts and Science, Passes in the Higher and Honours Grade of the Leaving Certificate Examinations of the Scotch Education Department in Latin, Greek, and Mathematics will be accepted as equivalent to the Higher Standard in each of these subjects, as prescribed by the Arts Regulations, and Passes in the Lower Grade Certificate Examinations to the Lower Standard; Passes in the Higher and Honours Grade in English, in Modern Languages, and in Dynamics will be accepted as equivalent to the standard prescribed for each of these subjects by the Arts Regulations.

3. A Certificate of having passed in the Honours or First Division in English in the London University Matriculation Examination will be accepted as equivalent to English in the Arts and Science Preliminary Examination; and the Joint Board also accepts for the Preliminary Arts and Science Examination (1) London University Matriculation Mathematics as equivalent to Lower Mathematics; (2) London University Matriculation Mechanics as equivalent to Dynamics; and (3) London University Intermediate Mathematics as equivalent to Intermediate and Higher Mathematics.

4. *Oxford and Cambridge Schools Examination Board.* Exemption will be granted as follows :—A Pass in *Latin or Greek* for the Lower Certificate or the "Leaving Certificate" will be accepted for Lower Latin or Lower Greek. A Pass in *Latin or Greek* for the Higher Certificate will be accepted for Higher Latin or Higher Greek. A Pass in *French or German* for the Higher Certificate will be accepted for the Arts and Science Pass in these subjects respectively.

In *Mathematics.* Elementary Mathematics of the "Leaving Certificate," and Elementary Mathematics of the Higher Certificate, will each be accepted for Lower Mathematics. Additional Mathematics for the "Leaving Certificate," if endorsed with Trigonometry, and Additional Mathematics for the Higher Certificate, will each be accepted for Higher Mathematics. Of these two, the former if not endorsed with Trigonometry will be accepted for Lower Mathematics only. Natural Philosophy (Mechanical Division) will be accepted for Dynamics.

¹ Applications for exemption on the ground of having passed Examinations not included in the following list, should be addressed to the *Convener of the Board*. As several Universities have to be consulted, a decision on a new case cannot be guaranteed in less time than from two to three weeks.

In *English*. The Higher Certificate with English, the Higher Certificate with Essay and History or Geography, and the "Leaving Certificate," with English, History, and Geography, will each be accepted for the Arts and Science Pass in English.

5. *Oxford University Local Examinations* :—

(a) *Junior Local Examination*. Distinction in Mathematics (if the Candidate has passed both in Algebra and Geometry), with a Pass in Arithmetic, will exempt from Lower Mathematics. A Pass in Higher Mathematics, if it includes Algebra and Geometry, with a Pass in Arithmetic, will exempt from Lower Mathematics.

(b) *Senior Local Examination*. A Pass in Latin will exempt from Lower Latin; a Pass in Greek will exempt from Lower Greek; Distinction in Latin will exempt from Higher Latin; Distinction in Greek will exempt from Higher Greek; Distinction in French or German will exempt from French and German respectively; a Pass in Mathematics, including Algebra and Geometry, with Arithmetic, will exempt from Lower Mathematics; a Pass in Higher Mathematics, including Algebra, Geometry, and Trigonometry, will exempt from Higher Mathematics; a Pass in English Language and Literature, History, and Geography (with Distinction in the first of the three) will exempt from English.

(c) *Higher Local Examination*. This will be accepted *pro tanto*.

6. *Cambridge University Local Examinations* :—

(a) *Junior Local Examination*. Distinction in Mathematics will exempt from Lower Mathematics, provided it includes a Pass in both Algebra and Geometry.

(b) *Senior Local Examination*. A Pass in Latin will exempt from Lower Latin; a Pass in Greek will exempt from Lower Greek; Distinction in Latin will exempt from Higher Latin; Distinction in Greek will exempt from Higher Greek; Distinction in French or German will exempt from French or German respectively; a Pass in Algebra and Geometry will exempt from Lower Mathematics; a Pass in Mathematics, including a Pass in Algebra, Geometry, and Trigonometry, will exempt from Higher Mathematics; a Pass in English Language and Literature, History, and Geography (with Distinction in the first of the three) will exempt from English.

(c) *Higher Local Examination*. This will be accepted *pro tanto*.

7. *Universities of India (Calcutta, Madras, Bombay, Punjab, Allahabad)* :—A Pass in the "Intermediate" or "First Arts" Examination will exempt from the Lower Standard in Latin, Greek, or Mathematics. Exemption on the Higher Standard will be granted in any subject in which the applicant can show by special certificate that he has obtained not less than 45 per cent. in the paper on that subject in the Intermediate Examination. Applicants who have obtained a "First Class" or have been placed in the "First Division"

in that examination will receive full exemption from the Preliminary in Arts or Science (provided that the subjects taken include those required by the Ordinances of the Scottish Universities Commissioners, and subject to the provisions of IV. (2), (3), (4), p. 120.

8. *Continental Countries*.—Abiturienten-Examen giving admission to German Universities, and corresponding Examinations in other countries.

By *pro tanto* is here meant that a certificate of having passed in the Examination referred to, in any subject required for the Arts and Science Preliminary Examination, shall, as regards that subject, exempt from further examination in the said Preliminary Examination, provided that all the required subjects shall be passed at one or not more than two examinations.

PRELIMINARY EXAMINATION FOR DEGREES IN MEDICINE.¹

REGULATIONS FOR THE PRELIMINARY EXAMINATION FOR DEGREES
IN MEDICINE AND SURGERY, SUPPLEMENTARY TO SECTIONS
III.-VI. INCLUSIVELY, PAGES 435 AND 436 HEREOF, ABRIDGED
FROM THE REGULATIONS OF THE JOINT BOARD.

The papers set in Latin, Greek, and Mathematics are the same as those set on the Lower Standard in these subjects in the Arts and Science Preliminary Examination.

These are defined in the Regulations relating to the Arts and Science Preliminary, as follows:—

The *Latin*² Examination will include—Translation and Parsing, Prose Composition, Grammar, and Sentences.

The *Greek*² Examination will include—Translation, Sentences, and Grammar.

In the Latin and Greek papers, candidates are required to satisfy the Examiners both in composition and in translation.

Mathematics will comprise:—

- (1) Arithmetic, including Vulgar and Decimal Fractions, Proportion, Percentage, Square Root, Simple Interest.
- (2) Algebra, including Fractions, Factors, Square Root, Equations of the First Degree, Simultaneous Equations of the First Degree, Easy Quadratic Equations, Problems leading to the above Equations.
- (3) Geometry—Euclid, Books i., ii., and iii. (or their equivalents), with Easy Deductions. Demonstrations other than Euclid's will be accepted if they assume no propositions which in Euclid's order are subsequent to the proposition under consideration.

¹ See examinations accepted as exempting, page 529.

² No Books prescribed.

The paper in Mathematics will be devoted to the various subjects comprised in as nearly as possible the following proportions: four-ninths to *Geometry*, three-ninths to Algebra, and two-ninths to Arithmetic.

Candidates may obtain full marks by doing correctly about two-thirds of the questions set in each subject; but the Examiners will be entitled to reject a Candidate who makes in any subject less than a certain minimum of the marks allotted to that subject.

In *English* no set books are prescribed, nor is a general knowledge of the life and works of the greater authors expected of Candidates, but one or two questions may be set, giving an opportunity to Candidates to show a knowledge of famous literary works. The historical questions will not be confined to any one period, but will cover the whole of British History, and will be set in such a way as to give an opportunity to Candidates who have confined their studies to a single period to show their knowledge. A single three hours' paper will be set, containing an Essay, a Paraphrase, two questions on History, two on Geography, four on Grammar (including Correction of Sentences, Parsing, Analysis of Sentences, and Derivations), two of a literary and general kind. Eight answers will be required. The Essay, the Paraphrase, one answer on History, and one on Geography will be compulsory.

*French and German.*¹—One paper will be set in French and one in German. The papers will be of a Lower Standard than those set in these subjects in the Arts and Science Preliminary. The time allowed for each of these papers will be three hours. The paper in each subject will comprise questions in Grammar, translation into English, a piece of English, and some short sentences in English of an idiomatic character for translation.

It shall be in the option of any Candidate for the Medical Preliminary to take the papers set on the Higher Standard for the Arts Preliminary in any of the subjects. (See Arts Regulations.)

Candidates who, having taken *English, Latin, Greek, Mathematics, or a Modern Language*, on the Higher Standard, as prescribed by the Regulations for the Arts and Science Preliminary, have obtained a satisfactory percentage of marks, will be held to have passed the Medical Preliminary in these subjects, provided that all the required subjects are passed at not more than two Examinations.

It shall be at the Board's discretion at all times in the case of any Candidate for the Medical Preliminary who professes all his four subjects at one time, and who has obtained in all a number of marks equivalent to the sum of the marks required for a pass in each, to allow such Candidate a pass in the whole examination, provided that in no single subject he has obtained less than half of the marks required for a pass, and that the pass-mark be reached in the English Paper.

¹ No Books prescribed.

EXAMINATIONS ACCEPTED AS EXEMPTING FROM THE PRELIMINARY
EXAMINATION IN MEDICINE.¹

Provided always that the Regulations of the General Medical Council regarding the Registration of Students of Medicine be complied with.

1. In terms of the Regulations for Degrees in Medicine and Surgery, "a Degree in Arts or in Science (not being a Degree *honoris causa tantum*) in any of the Universities of the United Kingdom, or in any Colonial or Foreign University, specially recognised for the purpose by the University Court, will exempt from the Preliminary Examination."

In virtue of the powers conferred on them by the Medical Regulations, Section VI., page 436, the Joint Board have resolved as follows:—

2. Any Candidate who holds a Certificate of having passed the Preliminary Examination in Arts or Science in any Scottish University, either at the University Examination or through the Leaving Certificates of the Scotch Education Department, or partly at the University Examination, and partly through the Leaving Certificates, will be held to have passed the Preliminary Examination for Medicine, provided that the Examination has included the specified subjects of General Education as required under the Regulations of the General Medical Council, and by the Regulations for Graduation in Medicine and Surgery (Sections III.-VI. inclusive).

3. A Candidate who has passed the Arts and Science Preliminary Examination of the Joint Board in any subject (Higher Grade where there is more than one) recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

4. A Candidate who has obtained the Leaving Certificate (Honours or Higher Grade) of the Scotch Education Department in any subject recognised for the Medical Preliminary Examination, shall be exempted from further examination in that subject in the aforesaid Preliminary Examination.

The Regulation that all the subjects of the Examination shall be passed at one or not more than two Examinations shall not be held to apply to the above cases, 2, 3, and 4.

Further, each such Candidate when applying for said Certificate must, if he has not entered for any part of the Preliminary, produce a Matriculation Card from some one of the Scottish Universities.

5. Lower Grade Leaving Certificates of the Scotch Education Department will only be accepted as exempting from the Medical Preliminary Examination, provided the examinations in all the requisite subjects have been passed at one or not more than two Examinations.

¹ Communications as to the Preliminary Examinations should be addressed to the *Clerk of Senatus*. But applications for exemption from Examination in respect of other Examinations than those hereafter detailed, must be addressed to the Convener of the Joint Board, University, Glasgow.

6. The following English and Irish University Examinations will be accepted¹ (provided they include all the subjects required under the Regulations for Graduation in Medicine and Surgery, and the Regulations of the General Medical Council). See Sections III.-VI. inclusively, pages 435 and 436, viz. :—

Oxford. Responsions, or Moderations—Provided the Candidate pass the Examination of the Joint Board in English.

Senior Local Examinations will be accepted *pro tanto*, provided that, as regards English, the Certificates shall bear that the Candidate has passed in Grammar, Essay, and an Author [that is in Divisions (a) and (e) along with (b) or (c) or (d)]. No other Division can be accepted as a substitute for any of the three prescribed.

Higher Examination for Women will be accepted *pro tanto*.

Cambridge. Previous Examination—Provided that Candidates who have passed it prior to Michaelmas 1896 shall pass the Examination of the Joint Board in English. If passed after Michaelmas 1896, the Previous Examination will be accepted as exempting *in toto*.

Senior Local Examinations will be accepted *pro tanto*.

Higher Local Examinations will be accepted *pro tanto*.

Oxford and Cambridge Schools Examination. A Pass in *Latin or Greek* for the Lower Certificate or the "Leaving Certificate" will be accepted for Latin or Greek. In *Mathematics*, Elementary Mathematics of the "Leaving Certificate," or Elementary Mathematics of the Higher Certificate, will be accepted for Mathematics.

A Pass in French or German for the Lower Certificate or for the "Leaving Certificate" will be accepted for French or German. For English, the Board will accept (1) The "Leaving Certificate" in English, with History or Geography; (2) The Lower Certificate in English, History, and Geography.

London University. Matriculation Examination.

Dublin, Trinity College. Public Entrance Examination.

Royal University of Ireland. First Arts Examination.

Universities of Manchester, Liverpool, Leeds, and Sheffield. Joint Matriculation Examination (the whole Examination must be passed, as required for admission to the Faculties of these Universities).

By *pro tanto* is here meant that a certificate of having passed in the Examination referred to, in any subject required for the Medical Preliminary Examination, shall, as regards that subject, exempt from

¹ Regulation V., page 436, will be held to apply to the acceptance of these examinations.

further Examination in the said Preliminary Examination, provided that all the required subjects shall be passed at one or not more than two Examinations.

7. The Examinations of the following Colonial and Foreign Universities and Colleges will be accepted¹ (provided the Examinations include all the subjects required by the General Medical Council, and prescribed by the Regulations for Graduation in Medicine and Surgery). See Sections III.-VI. inclusively, pages 435 and 436, viz. :—

Universities of India—(1) *Calcutta*, (2) *Madras*, (3) *Bombay*, (4) *Allahabad*, (5) *Punjab*.—Intermediate (First Arts) Examination.

Universities of (1) *Cape of Good Hope*.—Matriculation Examination; (2) *Tasmania*.—Matriculation Examination; (3) *New Zealand*.—Medical Preliminary Examination; (4) *Melbourne*.—Matriculation Examination; (5) *Sydney*.—Matriculation Examination; (6) *Adelaide*.—Matriculation Examination, or its substitute, the Senior Public Examination.

The University of Toronto.—Senior or Junior Matriculation Examination.

The University of Winnipeg.—Preliminary Examination in Arts.

The University of Halifax, Nova Scotia.—Matriculation Examination.

The University of Fredericton, New Brunswick.—Matriculation Examination.

The University of Manitoba.—Previous Examination.

The Provincial Education Department of Ontario.—Departmental Pass Arts Matriculation Examination.

Trinity University, Toronto.—Matriculation Examination.

Queen's College and University, Kingston.—Matriculation Examination.

M'Gill University.—Matriculation Examination.

King's College, Windsor, Nova Scotia.—Responsions.

Dalhousie College, Halifax.—Matriculation Examination.

Mount Allison College, Sackville, New Brunswick.—Matriculation Examination.

Victoria College, Upper Canada.—Matriculation Examination.

The Western University of Ontario.—Matriculation Examination.

Codrington College (Barbados).—English Certificate for Students of two years' standing, and Latin Certificate, or "Testamur."

Transvaal Technical Institute.—Matriculation Examination (if passed as a whole, as required for admission to the Institute).

Germany and other Continental Countries.—Gymnasial Abiturienten-Examen, and corresponding Entrance Examination to the Universities.

¹ See footnote, page 530.

Class Prize and Honours Lists.

FACULTY OF ARTS.

SUMMER SESSION, 1905.

LATIN.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—1. Walter Haig Stevenson, Haddington.

SECOND-CLASS CERTIFICATES OF MERIT.—2. Frederic James Hamond, Edinburgh; 3. Arthur Stanley Reid, Kirkcaldy; and Thomas George Rutherford, London—equal; 5. John Mackay Thomson, Dunning.

PROSE COMPOSITION.—John Mackay Thomson.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—1. William Brown, Annan (*Medal*); 2. John A. Strang, Edinburgh; 3. Gertrude A. Lothian, Edinburgh; 4. John R. M'Kenzie, Edinburgh.

SECOND-CLASS CERTIFICATES OF MERIT.—5. Andrew M. Carmichael, London; 6. John A. Hardie, Edinburgh; 7. Margaret H. P. Spiers, Edinburgh, and Thomas A. Stewart, Edinburgh—equal; 9. Thomas A. Lindsay, Edinburgh.

PROSE COMPOSITION.—1. William Brown; 2. Cleveland Fyfe, Edinburgh; 3. Gertrude A. Lothian and John A. Strang—equal.

ROMAN HISTORY.—1. Gertrude A. Lothian; 2. William Brown.

JAMES MILL, M.A., *Lecturer.*

GREEK.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. J. C. Cunningham, Edinburgh (*Medallist*); 2. R. M'Kenzie, Edinburgh; 3. J. G. Laing, Edinburgh.

SECOND-CLASS CERTIFICATES.—W. M. Smail, Edinburgh; G. T. Thomson, Edinburgh; J. M. Thomson, Edinburgh.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES.—1. R. B. Steele, Edinburgh; 2. B. H. Herford, Edinburgh, and G. D. Simpson, Edinburgh—equal.

A. R. AINSWORTH, B.A., *Lecturer.*

ANCIENT HISTORY.

FIRST-CLASS CERTIFICATES.—1. Walter Carter, M.A., Berwick-on-Tweed ; 2. George S. Robertson, Edinburgh ; 3. William M. Smail, Edinburgh.

SECOND-CLASS CERTIFICATES.—J. A. Coullie, Pencaitland ; W. J. Peters, Edinburgh ; David Tait, Heriot.

G. H. STEVENSON, M.A., *Lecturer.*

ENGLISH LITERATURE.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. John Hubert Jagger, B.A., London. England ; 2. James Storrar Haig, Scotland ; 3. Norman Macleod, Scotland ; 4. Julia M. C. Waltenberg, Scotland ; 5. Gilbert Duncan Stalker, Scotland ; 6. Jane Bathurst Thomson Macdonald, M.A., Scotland ; 7. James Alexander Roy, Scotland ; 8. Jane P. Duffes, Scotland.

SECOND-CLASS CERTIFICATES.—9. Janet Whyte, Scotland ; 10. Thomas Hutton Heddle, Scotland ; 11. Nettie Clark, Scotland ; 12. William Lonie Fraser, Scotland ; 13. Julien Champenois, L. es L., France.

G. GREGORY SMITH, M.A., *Lecturer.*

ELEMENTARY HEBREW.

FIRST-CLASS CERTIFICATES.—1. David Coventry Wilkie, Edinburgh (*Medal*) ; 2. Charles James Donaldson, M.A., Edinburgh.

SECOND-CLASS CERTIFICATES.—3. W. Kenneth Grant, M.A., Edinburgh.

ELEMENTARY ARABIC.

SECOND-CLASS CERTIFICATE.—Charles James Donaldson, M.A., Edinburgh.

M. F. SIMPSON, B.D.,
University Assistant in Semitic Languages.

ANCIENT PHILOSOPHY.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—J. W. Cameron, J. H. Rust.

LOGIC.

FIRST-CLASS CERTIFICATES.—Edith M. Carrie, M. C. Comrie, John Laird, Ida M. Law, Roderick M'Kenzie, Mary K. Mills, Margaret E. S. Moodie.

534 *Faculty of Arts—Class Prize and Honours Lists.*

SECOND-CLASS CERTIFICATES.—Esther M'Kibbin, A. M. Peden, Netta Williamson.

R. P. HARDIE, M.A., *Lecturer.*

ADVANCED PSYCHOLOGY.

FIRST-CLASS CERTIFICATES.—G. Ewan, P. R. Husband, R. Macgregor, J. R. M'Kenzie.

SECOND-CLASS CERTIFICATES.—J. W. Cameron, A. S. Campbell, K. I. M'Iver, T. G. Rutherford.

HENRY BARKER, M.A., *Lecturer.*

ECONOMIC HISTORY.

HONOURS CLASS.

PRIZES AND FIRST-CLASS CERTIFICATES.—1. James Munro, M.A., Edinburgh, and E. E. Enever Todd, Musselburgh—equal (*Medals*); 3. A. Keith Jameson, M.A., Spain, and D. Coventry Wilkie, Edinburgh—equal (*Prizes*); 5. William Wilson, Lasswade; D. L. Cattanach, M.A., Edinburgh; and Stanley B. Carey, Edinburgh—equal; 8. Duncan R. Matheson, M.A., India, and John M. Glen, M.A., Edinburgh—equal; 10. V. V. Phadke, Bombay; 11. George D. Walker, M.A., B.Sc., Scotland; 12. H. D. G. Law, Duddingston; 13. John Davidson, Ayrshire; 14. A. W. Gunn, Latheron.

ON WRITTEN EXAMINATIONS ONLY.—H. D. Mann, Kinghorn; J. C. Stewart, M.A., Scotland.

SECOND-CLASS CERTIFICATES.—G. H. Davies, India; R. M. Maclean, Dingwall; William Paterson, Edinburgh.

ARCH. B. CLARK, M.A., *Lecturer.*

MATHEMATICS.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—*First Division.—W. Brown, Middlebie (*Medallist*). Second Division.—J. A. Donaldson, Orkney; J. A. Hardie, Edinburgh. Third Division.—A. J. Gray, Finstown, Orkney; W. M'Laren, Lochee; R. B. Steele, India.

SECOND-CLASS CERTIFICATES.—W. Carter, M.A., Berwick-on-Tweed; E. Dixon, England; G. E. Gibson, Edinburgh; Bessie A. Ironside, Lancashire; C. G. Douglas Irvine, Northampton; D. Kennedy-Fraser, Edinburgh; A. B. MacLean, Gorebridge; J. L. Pirie, M.A., Edinburgh; T. A. Stewart, Davidson's Mains; F. S. W. Thomson, Corstorphine.

G. CHRYSTAL, LL.D., *Professor.*

* The names in the divisions of the First-Class and in the Second-Class are in alphabetical order.

INTERMEDIATE HONOURS CLASS (Technical Division, Combined Winter and Summer Course).

FIRST-CLASS CERTIFICATES.—1. Francis R. Chace Brown, Dundee (*Medallist*); 2. Angelus Joannides, Egypt; 3. Hamilton F. Kedslie, Edinburgh.

SECOND-CLASS CERTIFICATES.—J. O. Affleck, Auchtermuchty; John Oswald, Edinburgh; John Milne Thorburn, Peebles.

E. M. HORSBURGH, M.A., B.Sc., *Lecturer*.

SENIOR CLASS.

(First Half Course.)

FIRST-CLASS CERTIFICATES.—1. Margaret K. Mills, Arbroath (*Medallist*); 2. T. Steele, Dunfermline; 3. R. M'Kenzie, Edinburgh; 4. W. S. Baxter, Edinburgh; 5. S. C. Miller, London.

SECOND-CLASS CERTIFICATES.—Esther M'Kibbin, Banbridge, Ireland; W. Maybin, Ayr.

(Second Half Course.)

FIRST-CLASS CERTIFICATES.—1. P. Ross Husband, Dundee; 2. W. H. Stevenson, Haddington.

C. TWEEDIE, M.A., B.Sc., *Lecturer*.

NATURAL PHILOSOPHY.

ADVANCED PRACTICAL PHYSICS.

FIRST-CLASS CERTIFICATE OF MERIT.—P. D. Innes, M.A., Edinburgh.

CERTIFICATES OF COMMENDATION.—W. Watson, Musselburgh; P. White.

SENIOR PRACTICAL PHYSICS.

FIRST-CLASS CERTIFICATES OF MERIT.—J. A. Donaldson, Orkney; A. J. Gray, Orkney.

SECOND-CLASS CERTIFICATES OF MERIT.—Christina M. Hawick, Shetland; A. B. MacLean, Gorebridge; R. B. Steele, Gujarat, India.

CERTIFICATE OF COMMENDATION.—W. M'Laren, Lochee.

JUNIOR PRACTICAL PHYSICS.

FIRST-CLASS CERTIFICATES OF MERIT.—W. Brown, Middlebie; H. Patterson, Jedburgh; F. S. W. Thomson, Corstorphine.

SECOND-CLASS CERTIFICATES OF MERIT.—A. W. Moodie, Limekilns; J. L. Pirie, Scotland; D. M. Stewart, Lundin Links.

J. G. MACGREGOR, D.Sc., *Professor*.

APPLIED MATHEMATICS.

(QUATERNION VECTOR ANALYSIS.)

FIRST-CLASS CERTIFICATE.—1. Herbert Bell, Prince Edward Island, Canada.
C. G. KNOTT, D.Sc., *Lecturer*.

WAVE THEORY (Elastic, Solid, and Molecular).

PRIZES AND FIRST-CLASS CERTIFICATES.—1. W. Watson (*Medal*);
2. J. Harkess and R. Wilson—equal.

SECOND-CLASS CERTIFICATE.—4. F. J. Smith.

ADVANCED EXPERIMENTAL PHYSICS.

PRIZES AND FIRST-CLASS CERTIFICATES.—1. J. L. Pirie, M.A., and R. A. Wilson—equal (*Medallists*); 3. A. T. Gray.

SECOND-CLASS CERTIFICATES.—4. W. Grieve, R. M^cIntosh, and P. White—equal; 7. T. A. Lindsay.

W. PEDDIE, D.Sc., *Lecturer*.

BRITISH HISTORY (General and Constitutional)—1066-1832.

FIRST-CLASS CERTIFICATES.—1. John Ewing, Edinburgh (*Medal*);
2. Kenneth Ian MacIver, China, and John Pinkerton, M.A., Glasgow—equal; 4. John M. Glen, M.A., Edinburgh; 5. Ida M. Law, Dundee; 6. V. V. Phadke, India; 7. Angus Cameron, Leadhills; 8. W. R. Cooper, Pathhead, Midlothian, and W. M. Leggate, Hamilton—equal.

SECOND-CLASS CERTIFICATES.—10. William Paterson, Edinburgh;
11. A. W. Gunn, Latheron; 12. Norman Macleod, Edinburgh;
13. R. B. Forrester, Lancaster; 14. Godfray H. Davies, India;
15. John M. Edgar, Stirling.

POLITICAL SCIENCE.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. John Anderson, M.A., Eskbank (*Medal*); 2. David L. Cattnach, M.A., Edinburgh, and V. V. Phadke, India—equal; 4. John L. Watson, India; 5. John C. M^cKenzie, M.A., Leith; 6. Walter Carter, M.A., Berwick-on-Tweed.

SECOND-CLASS CERTIFICATES.—7. James Eadie Todd, Duns, and W. P. Young, Edinburgh—equal; 9. John Ewing, Edinburgh; 10. James A. Ewing, Northumberland; 11. Berthold Maass, Germany.

SPECIAL CERTIFICATE (FIRST-CLASS) FOR ESSAYS.—Alexander Gray, M.A., Dundee.

D. P. HEATLEY, *Lecturer*.

WINTER SESSION, 1905-1906.

LATIN.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—1. George S. Duncan, Forfar, and James Turner, Dumfries—equal (*Medals*); 3. Roderick M'Kenzie, Edinburgh; 4. William M. Smail, Edinburgh; 5. John G. Laing, Edinburgh; 6. John C. Cunningham, Edinburgh; 7. George S. Robertson, Edinburgh.

SECOND-CLASS CERTIFICATES OF MERIT.—8. Alexander C. Stewart, Turriff; 9. W. C. Douglas, Edinburgh, and T. Steele, Dunfermline—equal; 11. G. K. Drimmie, Brechin; 12. D. M. Watson, Perthshire; 13. J. K. Wylie, Edinburgh; 14. Ethel A. Craigie, Montrose; 15. W. D. Fyfe, Edinburgh; 16. Margaret S. J. Maybin, Ayr; 17. Mary A. J. Whyte, Montrose.

PROSE COMPOSITION.—1. R. M'Kenzie; 2. J. C. Cunningham, G. S. Duncan, and J. Turner—equal.

VERSE COMPOSITION.—R. M'Kenzie.

ENGLISH ESSAY.—1. G. S. Duncan; 2. W. M. Smail.

LATIN ESSAY.—R. M'Kenzie.

HISTORY OF LITERATURE.—G. S. Duncan and J. Turner—equal.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—1. Christina Keith, Thurso; 2. James Hutton, Birnam; 3. A. C. Craig, Kelso, and Margaret K. Tennant, Scone—equal (*Medals*); 5. J. J. Maybin, Ayr; 6. Gertrude A. Lothian, Edinburgh; 7. W. S. Clark, Edinburgh; 8. J. Y. Campbell, Inverness; 9. T. H. Fraser, Selkirk; 10. E. J. Ludlow, Edinburgh; 11. Robert Ross, Perth; J. W. Tait, Edinburgh; and J. K. Thomson, Forfar—equal (*Prizes*); 14. Annie Watson, Dundee; 15. A. J. Ferguson, Innerleithen; 16. William Hendry, Edinburgh, and Donald Macrae, Aberfeldy—equal; 18. Barbara M. Craw, Berwickshire; 19. T. J. Cunnison, Edinburgh; 20. Margaret H. M'Bean, Edinburgh; 21. R. G. Harris, Glasgow; Jane B. Hunter, Falkirk; and N. S. Pringle Pattison, Edinburgh—equal; 24. V. C. Alexander, Edinburgh.

SECOND-CLASS CERTIFICATES OF MERIT.—25. G. J. Lethem, Edinburgh; 26. George Brotherston, Edinburgh; 27. R. C. L. Batchelor, Dundee; 28. Gordon Hislop, Leith; 29. H. S. Walker, Duns; 30. Ann S. Haig, Edinburgh; 31. D. M. Baillie, Edinburgh; 32. Marion Edwards, Llanfair, Caereinion, and Bessie J. Keith, Thurso—equal; 34. Margaret D. Miller, Kirkcaldy; 35. J. F. Adam, Edinburgh; 36. Edward Albert, Edinburgh; 37. Jessie A. Stewart, Comrie; 38. Winifred M. Campsie, Perth; N. T. Duncan, Biggar; and Lois Hastings, Edinburgh—equal;

41. Christina N. Davies, Edinburgh; 42. William Bruce, Edinburgh; 43. F. G. Foster, Edinburgh; 44. D. C. Mitchell, Edinburgh, and Joanna S. Ritchie, Orkney—equal; 46. Margaret W. Fairbairn, Ayr; 47. A. J. Davidson, Dingwall; Christina M. Muirhead, Lasswade; and Isabel F. Stewart, Largs—equal; 50. Catherine A. J. Mackay, Edinburgh.

PROSE COMPOSITION.—1. Christina Keith; 2. A. C. Craig (*Prizes*); 3. V. C. Alexander, T. H. Fraser, and James Hutton—equal; 6. D. M. Baillie, J. V. Campbell, and J. J. Maybin—equal; 9. N. S. Pringle Pattison; 10. A. J. Ferguson, F. G. Foster, R. C. Lorimer, Margaret H. M'Bean, Margaret K. Tennant, and J. K. Thomson—equal.

VERSE COMPOSITION.—1. James Hutton and Christina Keith—equal (*Prizes*); 3. V. C. Alexander.

HISTORY AND LITERATURE.—1. Christina Keith; 2. Margaret K. Tennant (*Prizes*); 3. James Hutton, Gertrude A. Lothian, J. J. Maybin, and Annie Watson—equal.

W. R. HARDIE, M.A., *Professor*.

GREEK.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. Roderick M'Kenzie, Edinburgh (*Medal and Scott and Dunbar Prize*); 2. J. G. Laing, Aberdeen; 3. J. C. Cunningham, Edinburgh; 4. G. S. Duncan, Forfar; 5. J. Turner, Dumfries; 6. Mary A. J. Whyte, Montrose; 7. G. S. Robertson, Edinburgh, and W. M. Smail, Edinburgh—equal.

SECOND-CLASS CERTIFICATES.—9. W. H. Stevenson, Edinburgh, and Margaret S. J. Maybin, Ayr—equal; 11. M. C. Comrie, Alloa; 12. D. M. Watson, Crieff; 13. G. K. Drimmie, Brechin; 14. W. D. Fyfe, Edinburgh; 15. T. G. Rutherford, Edinburgh; 16. J. K. Wylie, Edinburgh; 17. J. A. Coullie, Pencaitland.

PRIZES FOR COMPOSITION.—J. C. Cunningham and R. M'Kenzie—equal.

ORDINARY.

FIRST-CLASS CERTIFICATES.—1. Margaret K. Tennant, Scone (*Medallist*); 2. J. Hutton, Edinburgh, and J. J. Maybin, Ayr—equal; 4. W. S. Clark, Edinburgh; 5. T. H. Fraser, Selkirk; 6. J. V. Campbell, Inverness, and W. Hendry, Edinburgh—equal; 8. D. Macrae, Aberfeldy; 9. A. C. Craig, Kelso; A. J. Ferguson, Innerleithen; and N. S. Pringle Pattison, Edinburgh—equal; 12. B. H. Herford, Edinburgh; 13. G. Brotherston, Edinburgh, and N. T. Duncan, Edinburgh—equal.

SECOND-CLASS CERTIFICATES.—15. V. C. Alexander, Edinburgh, and T. J. Cunnison, Edinburgh—equal; 17. B. C. Lorimer, Dundee;

18. J. F. Adam, Edinburgh; 19. Jane R. Hunter, Falkirk; 20. J. Baillie, Edinburgh; R. T. Cameron, Inverness; and G. J. Lethem, Edinburgh—equal; 23. D. G. Mitchell, Edinburgh; V. Walker, Thurso; and B. L. Woolf, Bradford—equal; 26. W. Bruce, Edinburgh, and A. J. Davidson, Dingwall—equal; 28. J. U. Gair, Bonar Bridge; 29. S. G. Smith, Edinburgh.

PRIZE FOR COMPOSITION.—R. C. Lorimer.

PRIZE FOR HISTORY.—Margaret K. Tennant.

PRIZE FOR LITERATURE.—J. Hutton.

A. W. MAIR, M.A., *Professor.*

ANCIENT (ROMAN) HISTORY.

FIRST-CLASS CERTIFICATES.—1. Geo. S. Duncan, Forfar; 2. James Turner, Dumfries; 3. W. M. Smail, Edinburgh; 4. Hugh G. Scott, Inverness; 5. Geo. S. Robertson, Edinburgh; 6. Geo. K. Drimmie, Brechin.

SECOND-CLASS CERTIFICATES.—7. John L. Watson, Duddingston; 8. Duncan R. Matheson, India; 9. Ethel A. Craigie, Montrose.
G. H. STEVENSON, M.A., *Lecturer.*

RHETORIC AND ENGLISH LITERATURE.

HONOURS CLASS (FULL COURSE).

PRIZE AND FIRST-CLASS CERTIFICATE.—1. William Carnon, Edinburgh (*Medallist*).

FIRST-CLASS CERTIFICATES.—2. Andrew W. Carmichael, Scotland, and Jeanie Duffes, Forres (*Second Attendance*); 4. John Bell, Scotland, and J. H. Jagger, England—equal.

SECOND-CLASS CERTIFICATES.—6. Andrew Young, Edinburgh; 7. W. L. Fraser, Errol; 8. Rudolf Pintner, England (*Second Attendance*); 9. C. Ethel Robarts, Oxford.

ORDINARY CLASS.

CLASS PRIZES AND FIRST-CLASS CERTIFICATES.—1. Annie Muriel Waugh, Scotland; 2. George S. Marr, Leith (*Medallists*); 3. Alistair J. Stewart, Inverness; 4. Arthur S. Reid, Kirkcaldy; 5. Annabella Menzies, Edinburgh; 6. John M'Queen, New Galloway; 7. Elisabeth Thomson, Edinburgh; 8. Julien Champenois, Liesh, France (*Second Attendance and not Competing*); 9. Margaret T. Haig, Edinburgh, and Thomas G. Rutherford, London—equal; 11. Jessie Smith, Linlithgow; 12. Francis W. Reid, Scotland.

SECOND-CLASS CERTIFICATES.—13. William M. Fortune, Cowden-

beath, and John Munro, Thurso—equal ; 15. May C. H. Lawson, Edinburgh, and Helen H. Bertram, Edinburgh—equal ; 17. Helen M. Allan, Haddingtonshire, and W. B. Gray, Edinburgh—equal ; 19. David Reid, Carlisle, and Elizabeth Robertson, Dumfries—equal ; 21. Mary C. Somerville, Edinburgh ; James Paton, England ; and Helen H. Penman, Dalkeith—equal ; 24. Alex. W. Finlayson, Burntisland, and Gertrude A. Lothian, Melrose—equal ; 26. Mary P. Fortune, Musselburgh ; J. J. Latta, Edinburgh ; and Andrew Rutherford, Blairadam—equal ; 29. Janet Caw, Edinburgh ; 30. Emily F. Gilbert, Monzievaired.

ESSAY PRIZES AND FIRST-CLASS CERTIFICATES.—1. Julien Champenois, Leish, France (*Second Attendance and not Competing*) ; Annabella Menzies, Edinburgh, and Annie Muriel Waugh, Scotland—equal (*Medallists*) ; 4. May C. H. Lawson, Edinburgh, and Alister J. Stewart, Inverness—equal ; 6. John M'Queen, New Galloway ; 7. George S. Marr, Leith ; Elizabeth Robertson, Dumfries ; Thomas G. Rutherford, London ; and Elisabeth Thomson, Edinburgh—equal ; 11. Gertrude A. Lothian, Melrose ; 12. William M. Fortune, Cowdenbeath.

SECOND-CLASS CERTIFICATES.—13. Alexander Kerr, Kilmarnock, and Helen H. Penman, Dalkeith—equal ; 15. Margaret T. Haig, Edinburgh ; James Paton, England ; and David Reid, Carlisle—equal ; 18. Isabella Maclellan, Poolewe, and Arthur S. Reid, Kirkcaldy—equal ; 20. Helen M. Allan, Haddingtonshire, and Esther G. Bell, Ware—equal ; 22. W. B. Gray, Edinburgh, and J. J. Latta, Edinburgh—equal ; 24. Mary P. Fortune, Musselburgh, and J. L. S. Smith, Arbroath—equal ; 26. Mary C. Somerville, Edinburgh ; 27. Jessie Smith, Linlithgow ; 28. Charlotte Ethel Evans, Edinburgh, and Andrew Rutherford, Blairadam—equal.

SPECIAL PRIZE—OUT OF COMPETITION—Julien Champenois, Leish, France.

PRIZE FOR VERSE.—Alexander A. Elder, London.

EARLY ENGLISH TEXT SOCIETY'S PRIZE.—Annie Muriel Waugh, Scotland ; *Prox. Acces.*—Alister J. Stewart, Inverness.

SCOTTISH TEXT SOCIETY'S PRIZE.—George S. Marr, Leith ; *Prox. Acces.*—Elisabeth Thomson, Edinburgh.

GEORGE SAINTSBURY, M.A., *Professor.*

OLD AND MIDDLE ENGLISH.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. William Falconer, Leith (*Medal and Scottish Text Society's Prize*) ; 2. Andrew M'Millan Carmichael, London (*Early English Text Society's Prize*) ; 3. Frank R. Blair, West Kilbride.

SECOND-CLASS CERTIFICATES.—4. William M'Cagie, Edinburgh ; 5. Rudolf Pintner, Edinburgh ; 6. William Lonie Fraser, West Hartlepool ; 7. Andrew Young, Edinburgh.

SECOND ATTENDANCES (FULL COURSE).—Jeanie P. Duffes, Forres, 1904-5 (*First-Class Certificate*) ; Norman Macleod, Edinburgh, 1904-5 (*First-Class Certificate*) ; Gilbert I. Kilgour, Inverkeithing, 1904-5 (*Second-Class Certificate*).

A. BLYTH WEBSTER, M.A., *Lecturer*.

FRENCH.

HONOURS CLASS.

PRIZES.—1. Nannie M'William ; 2. James Donaldson (*Medallists*) ; 3. Margaret Kennedy ; 4. Helen MacNaughton ; 5. Christina M'Lean.

FIRST-CLASS CERTIFICATES.—6. Jean Laurie ; 7. Evan M'Coll ; 8. Julia Waltenberg ; 9. Barbara Brown.

SECOND-CLASS CERTIFICATES.—10. Margaret Couling ; 11. Jean Bowie ; 12. Flora Fullarton ; 13. D. Walker ; 14. T. S. MacLennan.

SILVER MEDAL FOR FRENCH ESSAY, *awarded by the Alliance Française*.—James Donaldson.

ORDINARY CLASS.

PRIZES.—1. Ethel M'Kenzie (*Endowment Association Prize*) ; 2. Henry Waters (*Medallists*) ; 3. James Lowe ; 4. Chr. Gilmour ; 5. Isabella Meikle.

FIRST-CLASS CERTIFICATES.—6. Jean Beattie and Jessie Smith—equal ; 8. Helen Penman ; 9. Elizabeth Ross and Jessie Sprunt—equal ; 11. Catherine A. Cameron ; 12. Bertha Chandler ; 13. Agnes Smith ; 14. J. Brown ; 15. Isabella Allan ; 16. Isabella Boyd ; 17. Hugh Shirlaw ; 18. Mary Shirlaw ; 19. Jean Ross ; 20. Georgina Crawford ; 21. Margaret Haig.

SECOND-CLASS CERTIFICATES.—22. Mary Ross ; 23. Gertrude Lothian and Mary Reavely—equal ; 25. Margaret Green ; 26. Elspeth Gilchrist ; 27. Mary Munro ; 28. John A. Keith ; 29. May Hogg and Joan Rose—equal ; 31. Mary Starforth ; 32. Albert Latto ; 33. Esther M'Kibbin ; 34. Nellie Wilson ; 35. Margaret S. Burnett and Margaret Spiers—equal ; 37. Margaret Ironside ; 38. Sophie Latta ; 39. Isabella Rowe ; 40. George Ross ; 41. C. B. Clark and Chas. Lunan—equal ; 43. Nellie Williamson ; 44. Louisa M'Donald ; 45. Helen Brander and M. R. Drennan—equal ; 47. Catherine Weir.

CHAS. SAROLEA, K.O.L., Ph.D., D.Litt., *Lecturer*.

GERMAN.

HONOURS CLASS.

- PRIZES AND FIRST-CLASS CERTIFICATES.—1. Nannie MacWilliam, Wigtown (*Class Medal and Goethe Society Prize*); 2. Margaret Couling, China, and Margaret Kennedy, Perth—equal; 4. Jean M. Laurie, Edinburgh, and Flora W. Fullarton, Wick—equal.
- FIRST-CLASS CERTIFICATES.—6. Jean C. Bowie, Edinburgh; 7. Christina M. Maclean, Muir of Ord, and Julia Waltenberg, Joppa—equal; 9. Helen F. McNaughton, Edinburgh; 10. Florence Jameson, Edinburgh; 11. Charles J. Sisson, Durham, and Evan M. MacColl, Java—equal; 13. Barbara Brown, Edinburgh.
- SECOND-CLASS CERTIFICATES.—14. Jeanie E. Dalgleish, Edinburgh; 15. J. Donaldson, Musselburgh; 16. Nettie Clark, Dundee; 17. John Allan, Scotland, and Isabella MacIennan, Ross-shire.

ORDINARY CLASS.

- PRIZES AND FIRST-CLASS CERTIFICATES.—1. A. H. Taylor, Edinburgh, and Catherine Cameron, Perthshire (*Class Medals and Prize of Endowment Association*); 3. Margaret D. Roberts, Edinburgh; Jessie Sprunt, Perthshire; and Isabella Allan, Edinburgh—equal.
- FIRST-CLASS CERTIFICATES.—6. James Lowe, Dalkeith; Jean M. Ross, Argyllshire; and Jean M. Peebles, Blairgowrie—equal; 9. May M. Hogg, Egypt; Louisa Reith, Aberdeen; and Bessie L. Coats, Edinburgh—equal.
- SECOND-CLASS CERTIFICATES.—12. Mary A. L. Ross, Dalkeith; Isabella Scott, Cromarty; and Edith M. Currie, Edinburgh—equal; 15. Jean S. Beattie, Edinburgh; 16. Phemie M. Bain, Penicuik, and Ella Mill, Edinburgh—equal.

OTTO SCHLAPP, Ph.D., *Lecturer.*

SANSKRIT AND COMPARATIVE PHILOLOGY.

SENIOR CLASS.

- FIRST-CLASS CERTIFICATES OF MERIT.—1. L. D. Rane (*Class Medal*); 2. N. K. Pillai; 3. K. L. Mukhopadhyay.

J. EGGELING, Ph.D., *Professor.*

CELTIC LANGUAGES AND LITERATURE.

CELTIC CLASS.

- PRIZE AND FIRST-CLASS CERTIFICATE.—George Philip, M.A., Tarbat, Ross-shire (*Medallist*).
- PRIZE FOR ESSAY WRITTEN IN GAELIC.—Samuel M'Iver, Lewis.

ADVANCED CELTIC CLASS.

PRIZES AND FIRST-CLASS CERTIFICATES.—1. J. L. Macpherson, M.A., LL.B., Newtonmore, and William J. Thomas, Edinburgh—equal (*Medals*).

Gaelic CLASS.

PRIZES AND FIRST-CLASS CERTIFICATES. — 1. Robert Ross, Perth (*Medallist*) ; 2. Duncan K. Wilson, Glenfarg ; 3. David MacOwan, Dunblane.

DON. MACKINNON, M.A., *Professor*.

LOGIC AND METAPHYSICS.

ADVANCED HONOURS CLASS.

FIRST-CLASS CERTIFICATES. — 1. George Ewan, Broughty Ferry (*Bruce of Grangehill and Falkland Prize and Medal*) ; 2. J. H. Rust, Arbroath (*Prize*).

SECOND-CLASS CERTIFICATE.—Robert Macgregor, Glasgow.

INTERMEDIATE HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. J. R. M'Kenzie, Edinburgh ; 2. Thomas Anderson, Hawick ; 3. P. A. Beveridge, Kirkcaldy ; K. I. M'Iver, Edinburgh, and N. D. Mudie, Dundee—equal.

SECOND-CLASS CERTIFICATES. — A. J. Stewart, Inverness ; John Polson, Helmsdale ; J. W. Cameron, Edinburgh.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES.—1. John Laird, Edinburgh ; 2. John Baillie, Edinburgh ; 3. P. A. Beveridge, Kirkcaldy (*Medals*) ; 4. M. C. Comrie, Alloa ; 5. Mary T. Colville, Edinburgh ; William Short, Newcastle-on-Tyne ; and R. B. Soutar, Carnoustie—equal ; 8. Thomas Steele, Dunfermline ; 9. Thomas Drawbell, Edinburgh ; J. A. Rae, Lochmaben ; and R. L. Smith, Dalbeattie—equal ; 12. Ida M. Law, Dundee, and R. B. Steele, India—equal ; 14. A. M. Peden, Galston ; 15. H. F. Falconer, Edinburgh (*Prizes*) ; 16. G. A. Henderson, Edinburgh ; William Brown, Annan ; David MacOwan, Dunblane ; and William Craig, Edinburgh—equal ; 20. Roderick M'Kenzie, Edinburgh, and Edith M. Carrie, Edinburgh—equal ; 22. R. Theodore Cameron, Inverness ; James Jardine, Haddington ; David Kennedy-Fraser, Edinburgh ; and W. M. Leggate, Hamilton—equal ; 26. Angus Cameron, Douglas ; W. W. D. Gardiner, Kirknewton ; A. B. Simpson, Linlithgow ; Phemie M. Bain, Penicuik ; and Isabella A. Allan, Edinburgh—equal ; 31. A. B. Grieve, Aberfeldy ; J. A. Keith, Lybster ; and S. C. Miller, Ceylon—equal ; 34. Isabella M. Leonard, Brechin ; Elspeth Gilchrist, Anstruther ; Margaret

E. S. Moodie, Edinburgh ; Alexander Leask, Orkney ; and James Brown, Hoxne—equal.

SECOND-CLASS CERTIFICATES (in alphabetical order).—Jean Aitken, Edinburgh ; R. G. Baird, Edinburgh ; J. C. Barrowman, Bo'ness ; W. S. Baxter, Edinburgh ; Elizabeth O. Begg, Wick ; F. F. S. Bryson, Kilsyth ; H. S. Curr, Edinburgh ; A. A. Elder, Cheshire ; W. C. Flett, Stromness ; F. C. Keith, Swiney ; James Lowe, Dalkeith ; A. B. MacLean, Gorebridge ; Davidson Murray, North Berwick ; J. A. Patten, Alnwick ; William Pottinger, Stromness ; Isabella Rae, Lasswade ; Joan K. Rose, Nairn ; J. D. Watson, Aberdeen.

A. S. PRINGLE-PATTISON, LL.D., *Professor.*

MORAL PHILOSOPHY.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES AND PRIZES.—1. George Ewan, Broughty Ferry (*Medallist*) ; 2. J. H. Rust, Arbroath ; 3. Robert Macgregor, Dumfries.

SECOND-CLASS CERTIFICATE.—S. B. Carey, Edinburgh.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES AND PRIZES.—1. J. R. M'Kenzie, Edinburgh ; 2. T. Anderson, Hawick (*Medallists*) ; 3. K. I. MacIver, Edinburgh ; 4. Agnes M. Smith, Dalbeattie ; 5. John Swan, Kingskettle ; 6. Esther G. Bell, Southbourne, Hants (*Elizabeth Hamilton Prize*), and W. Short, Newcastle-on-Tyne—equal ; 8. J. A. T. Kennedy, Caithness.

SECOND-CLASS CERTIFICATES.—A. S. Campbell, Gatehouse-of-Fleet ; R. Morgan, Caithness ; and J. E. Todd, Moffat—equal ; A. J. Stewart, Inverness ; May C. H. Lawson, Edinburgh ; and Maud Paton, China—equal ; J. C. A. Grisdale, Lucknow, India ; J. Munro, Thurso ; Emily M. Forsyth, Forres ; T. D. Meredith, Castle-Douglas ; May Reavely, Edinburgh ; and Jessie Smith, Bathgate—equal ; Margaret T. Haig, Edinburgh.

JAMES SETH, M.A., *Professor.*

COMMERCIAL AND POLITICAL ECONOMY AND MERCANTILE LAW.

HONOURS CLASS.

PRIZES.—1. Robert Leslie, Edinburgh, and James Munro, M.A., Edinburgh—equal (*Medals*) ; 3. Stanley B. Carey, Edinburgh, and D. Coventry Wilkie, Edinburgh—equal.

FIRST-CLASS CERTIFICATE.—5. Norman D. Mudie, Dundee.

ORDINARY CLASS.

PRIZES.—1. A. C. Stewart, Aberdeenshire (*Medal and Merchant Company's Prize of £10, 10s.*); 2. Walter Carter, Berwick-on-Tweed (*George Watson's Prize*); 3. J. H. Rust, Arbroath (*Daniel Stewart's Prize*); 4. T. G. Rutherford, London; 5. J. W. Tait, Yetholm; 6. D. B. Walker, Edinburgh; 7. F. W. Reid, Edinburgh.

FIRST-CLASS CERTIFICATES.—8. W. S. Baxter, Edinburgh; 9. J. A. Hardie, Edinburgh; 10. Hugh Shields, Yetholm; 11. Gordon J. Lethem, Edinburgh; 12. D. A. Rae, Lochmaben; 13. D. J. Munro, Inverness, and W. C. Paton, China—equal; 15. R. T. Cameron, Inverness; 16. Neil A. MacLean, Gorebridge; 17. Andrew Young, Kilmaurs; 18. Martin Macrae, Kyleakin; 19. Godfrey Matthews, Middlesborough; 20. John A. Patten; Alnwick; 21. R. B. Forrester, Lancaster; Davidson Murray, North Berwick; and William Pottinger, Stromness—equal; 24. D. B. M'Neil, Edinburgh; 25. J. R. Cattanaeh, Edinburgh; 26. Malcolm MacLeod, Stornoway. On First Half-Course.—N. K. Pillai, Travancore; 16. W. T. Stockley, Lancashire; John E. Scott, Perth; Lionel Armstrong, Grassmere; H. C. M'Elderry, Ballymoney, Co. Antrim.

ESSAYS.—1. James Cossar, Edinburgh, and Walter Carter—equal (*Prizes*).

HONOURABLE MENTION.—3. T. G. Rutherford and G. J. Lethem—equal; 5. R. B. Forrester; 6. J. A. Hardie and Andrew Young—equal.

J. SHIELD NICHOLSON, M.A., D.Sc., *Professor.*

THEORY, ART, AND HISTORY OF EDUCATION.

FIRST-CLASS CERTIFICATES.—1. Andrew Duncan, M.A., B.Sc., 2. Archibald King, M.A., B.Sc.; 3. Elsie Richards, B.Sc. (Lond.) (*Medallists*); 4. John Mason; 5. Mary S. Anderson, M.A. (Aber.); 6. William C. Douglas, M.A.; 7. J. H. Jagger, B.A. (Lond.); 8. John H. Gray (*Prizes*); 9. Susan Fairbairn; 10. Nettie Clark and Jane B. T. Macdonald, M.A.—equal; 12. Mary Black, M.A.; 13. Florence T. Jameson; 14. John M'Queen; 15. Janet J. Kerr, M.A.; 16. Nettie T. Gordon, M.A. (Aberd.); 17. Christina M. Maclean; 18. Janet Caw and Christina M. Ilawick—equal; 20. Thomas Baptie and Marguerite Meister—equal.

SECOND-CLASS CERTIFICATES.—Helen M. Allan, Margaret C. Bell, Margaret S. W. Boyd, John D. Breslin, Alex. M'D. Crawford, Edith Davidson, Isa F. Dickie, Sybil Elliot, Mary Gilmour, M.A.; Ella Henderson, Ada S. Mackay, M.A. (St And.); May

Macmichael, Jessie S. Martin, Gordon Moore, Isabella Munro, Isabella E. Purves, George H. Ross, Mary E. Sleath, Mary C. Somerville, John C. Strachan, Elizabeth Thomson, Mary Wedder-
spoon, M.A., Louisa A. Wishart.

ALEXANDER DARROCH, M.A., *Professor.*

MATHEMATICS.

ADVANCED HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. Lewis J. B. Turner, Edinburgh (*Prize and Medal*); 2. *D. Gibb, Methil; 3. *Herbert Bell, Canada; 4. Francis J. Smith, Ballater.

SECOND-CLASS CERTIFICATES.—*John Harkess, East Lothian; *J. Robertson, Leven; J. A. Strang, Edinburgh; Jeannie B. Thomson, Perth.

INTERMEDIATE HONOURS CLASS.

PRIZES AND FIRST-CLASS CERTIFICATES.—1. Walter Carter, M.A. (*Medal*), Berwick-on-Tweed; 2. Alexander B. Grieve, Aberfeldy; 3. William Brown, Middlebie, and James A. Donaldson, Orphir, Orkney—equal.

FIRST-CLASS CERTIFICATES.—A. J. Gray, Finstown, Orkney; John A. Hardie, Edinburgh; Francis S. W. Thomson, Corstorphine; R. C. Wallace, Orkney.

SECOND-CLASS CERTIFICATES.—*R. C. Anderson, India; H. G. Cumming, Grantown-on-Spey; *G. E. Gilson, Edinburgh; D. B. Glegg, Edinburgh; Bessie A. Ironside, Lancashire; David Kennedy-Fraser, Edinburgh; W. M'Laren, Lochee; Archibald B. MacLean, Gorebridge; S. J. Malherbe, Cape Colony; Adam W. Moodie, Dunfermline; Robert B. Steele, India; Thomas A. Stewart, Davidson's Mains.

C. TWEEDIE, M.A., B.Sc., *Lecturer.*

C. CHRYSTAL, LL.D., *Professor.*

ORDINARY CLASS.

PRIZES AND FIRST-CLASS CERTIFICATES.—1. Alexander Williams, Burntisland (*Medal*); 2. Archibald W. Bain, Edinburgh (*Medal*); 3. Alexander F. Ewan, Broughty Ferry; 4. Duncan K. Wilson, Glenfarg, Perthshire; 5. Ann S. Haig, Edinburgh; 6. William Brash, West Calder, and Robert C. Harris, Glasgow—equal; 8. Cornelius Hope, Mid-Calder; 9. Francis M. Dickson, Edinburgh.

* Those marked with a * have attended the class for a second time, and are therefore ineligible for prizes or medals.

SECOND-CLASS CERTIFICATES.—Alexander Adamson, Dunfermline ; Edward Albert, Edinburgh ; Ralph C. L. Batchelor, Dundee ; Elizabeth Begg, Wick ; Margaret C. Bell, Peterborough ; Thomas Brydone, Moffat ; Barbara M. Craw, Berwickshire ; George H. Drummond, Edinburgh ; Marian Edwards, Llanfair, Caereinion ; John W. C. Gunn, Kirkwall ; Gordon Hislop, Leith ; Norman Izat, Dollar ; Catherine A. J. Mackay, Edinburgh ; David M'Owan, Dunblane ; George S. Marr, Leith ; Margaret D. Miller, Kirkcaldy ; Mary K. Mills, Arbroath ; John Milne, Dunfermline ; Barclay B. Murdoch, Sydney, N.S.W. ; Janet Park, Edinburgh ; Margaret J. Sharpe, Archiestown ; Fred. D. Sime, Edinburgh ; Roger L. Smith, Dalbeattie ; Annie Watson, Forfarshire ; J. D. Watson, Banchory-Devenick, Aberdeenshire.

The Newton Bursary has been awarded to Archibald W. Bain.

G. CHRYSTAL, LL.D., *Professor.*

FUNCTION THEORY.

FIRST-CLASS CERTIFICATES.—1. Jeannie B. Thomson, Perth ; 2. Herbert Bell, Canada.

SECOND-CLASS CERTIFICATES.—W. T. Gordon, Govan ; R. M'Intosh, Edinburgh ; S. J. Malherbe, Cape Colony.

J. H. MACLAGAN-WEDDERBURN, M.A., *Lecturer.*

NATURAL PHILOSOPHY.

ELECTROSTATICS (HONOURS CLASS).

FIRST-CLASS CERTIFICATES OF MERIT.—D. Gibb, Methil, Fifeshire, and F. J. Smith, Ballater—equal (*Medals and Prizes*) ; J. Harkess, Cockenzie ; J. Robertson, Leven ; and W. Watson, Musselburgh—equal.

SECOND-CLASS CERTIFICATES OF MERIT.—H. Bell, Prince Edward Island, Canada ; D. Bain, Scotland.

THERMODYNAMICS (HONOURS CLASS).

FIRST-CLASS CERTIFICATES OF MERIT.—J. A. Donaldson, Orkney (*Medal and Prize*) ; *D. Gibb, Methil, Fifeshire ; A. B. Grieve, Aberfeldy ; *J. Robertson, Leven ; and R. Wilson, Scotland—equal.

SECOND-CLASS CERTIFICATES OF MERIT.—A. J. Gray, Orkney, and Jeannie B. Thomson, Dundee—equal ; J. A. Strong, Edinburgh ; *J. Harkess, Cockenzie ; H. G. Cumming, Scotland ; and J. Mason, Bunkle, Edrom—equal.

* Second Attendance.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—R. G. Baird, Granttown-on-Spey, and A. F. Ewan, Broughty Ferry—equal (*Medals and Prizes*); H. Marwick, Orkney; H. A. Ross, Alness; W. Short, Newcastle, England; J. Swan, Kettle, Fife; and J. Turnbull, Scotland—equal; B. B. Murdoch, Sydney, N.S.W. (*Prizes*).

SECOND-CLASS CERTIFICATES OF MERIT.—A. W. Bain, Edinburgh, and C. L. M. Jockel, Edinburgh—equal; G. S. Marr, Leith; W. Brash, West Calder; J. Parker, Coatbridge; A. M. Williams, Burntisland; T. Brydone, Moffat; M. R. Drennan, Galston, Ayrshire; and W. Wilson, Scotland—equal; Isabella E. Purves, London; T. Drawbell, Linlithgow; C. Hope, Mid-Calder; and R. B. Soutar, Sandwich, Orkney—equal; S. V. Boxer, Sydenham, London; and Marion C. R. Lornie, Lanarkshire—equal; T. Chalmers, Blackburn, Linlithgowshire; Isabella F. Dickie, Dumfries; and N. Izat, Gorakpur, India—equal; A. Jardine, Burnmouth, Berwickshire; T. Anderson, Lintrathen; E. K. Chandler, Mooltan, India; H. Paterson, Menslows, Jedburgh; and May Reavely, Innerleithen—equal; E. R. Carlos, Malacca, Straits Settlements; A. Drummond, Edinburgh; D. M. Baillie, Edinburgh; and A. Sutherland, Inverness—equal; J. Milne, Dunfermline; Catherine D. Sinclair, Orkney; and Jessie D. Stewart, Edinburgh—equal; J. O. Affleck, Scotland; Mary E. Sleath, Bo'ness; H. C. Fraser, Edinburgh; Helen H. Penman, Dalkeith; and Jessie C. Somerville, Hawthornden, Lasswade—equal; W. B. Coutts, Kinghorn, Fife; R. Howie, Arbroath; and W. R. Smith, Tring, Herts—equal; J. A. Keith, Lybster, Caithness; Maggie S. C. M'Nab, Leith; T. C. Ritchie, Edinburgh; J. B. Robertson, Darvel, Ayrshire; and B. M. Wilson, Swinton, Duns—equal.

The Newton Bursary is awarded to R. G. Baird, Buffalo, U.S.A.

ADVANCED PRACTICAL PHYSICS.*

FIRST-CLASS CERTIFICATES OF MERIT.—J. A. Donaldson, Orkney; W. Watson, Musselburgh; P. White, Scotland; R. Wilson, Scotland.

SENIOR PRACTICAL PHYSICS.*

CERTIFICATE OF COMMENDATION.—J. M. Bose.

JUNIOR PRACTICAL PHYSICS.*

FIRST-CLASS CERTIFICATES OF MERIT.—T. Anderson, Lintrathen; A. Drummond, Edinburgh; A. F. Ewan, Broughty Ferry; A. Jardine, Sunderland.

SECOND-CLASS CERTIFICATES OF MERIT.—C. E. Aitken, London; A. W. Bain, Edinburgh; H. Jamieson, Auchinleck; C. M. Low,

* In Practical Classes the order is alphabetical.

Edinburgh: J. Milne, Dunfermline; B. B. Murdoch, Sydney, N.S.W.; A. Slater, Peebles; W. R. Smith, Tring, Herts; J. Whiteside, Auchinleck.

The Neil-Arnott Scholarship is awarded to A. F. Ewan, Broughty Ferry.

The Donald Fraser Bursary is awarded to W. Watson, Musselburgh.

J. G. MACGREGOR, D.Sc., *Professor*.

APPLIED MATHEMATICS.

ADVANCED DYNAMICS.

FIRST-CLASS HONOURS.—Francis J. Smith, Ballater (*Medallist*); Herbert Bell, Canada; *David Gibb, Methil; John Robertson, Leven.

SECOND-CLASS HONOURS.—John Harkess, East Lothian; *Robert M'Intosh, Edinburgh; *H. R. Murdoch, Edinburgh; Isabella Towers, Canada.

ANALYTICAL DYNAMICS.

FIRST-CLASS HONOURS. — Robert Wilson, Scotland (*Medal and Prize*); A. J. Gray, Orkney (*Prize*); A. B. Grieve, Aberfeldy (*Prize*); *Herbert Bell, Canada; Jeannie B. Thomson, Dundee; J. A. Donaldson, Orkney; *John Robertson, Scotland; W. M'Laren, Lochee.

SECOND-CLASS HONOURS. — *John Harkess, Scotland; T. A. Stewart, Largs; F. S. W. Thomson, Corstorphine; Edwin Dixon, England; J. A. Strang, Edinburgh; W. Forbes, Newcastle; H. G. Cumming, Grantown-on-Spey; J. W. M'David, Scotland; G. E. Gibson, Scotland; *Isabella M. Towers, Nova Scotia; Peter White, Scotland.

C. G. KNOTT, D.Sc., *Lecturer*.

CONSTITUTIONAL HISTORY (ENGLISH 1360-1563).

HONOURS CLASS.

1. James A. Roy; 2. Gilbert J. Kilgour; 3. Jeanie Duffies; 4. Edward Blades, M.A., B.Sc.; 5. A. M. Carmichael, W. M'Cagie, Frank R. Blair, and M. Richardson—nearly equal; 9. G. D. Stalker, R. Pintner, and C. A. Malcolm—nearly equal.

* Second Attendance.

CONSTITUTIONAL HISTORY (FOREIGN).

HONOURS CLASS.

1. W. D. Ritchie, M.A. ; 2. Alex. Robertson, M.A. ; 3. John Davidson ; 4. V. V. Phadke.

J. KIRKPATRICK, LL.D., *Professor.*

HISTORY.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. William D. Ritchie, M.A. (*Medal and Prize*) ; 2. John W. Nelson.

SECOND-CLASS CERTIFICATES.—3. Alexander Mitchell.

ORDINARY CLASS.

FIRST-CLASS CERTIFICATES.—1. John M. Glen (*Medal*) ; 2. Alexander C. Stewart ; 3. John Laird ; 4. Angus Cameron ; 5. J. A. T. Kennedy and E. Enever Todd—equal ; 7. M. M. Wedderburn and G. D. Walker—equal ; 9. J. S. Mackay ; 10. Margaret F. Moore ; 11. Robert Aitken ; 12. Norman Macleod and V. V. Phadke—equal.

SECOND-CLASS CERTIFICATES.—14. James Beattie, M.A. ; 15. J. A. Rodger ; 16. Gilbert Carmichael, J. K. Thomson, and W. R. Walker—equal ; 18. Jessie T. Halden, M.A.

R. LODGE, M.A., *Professor.*

ANCIENT (SCOTTISH) HISTORY.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES OF MERIT.—John Ewing, Edinburgh ; James Forgie, Ayr ; D. H. Gillan, India ; John Pinkerton, Glasgow ; W. P. Young, Edinburgh.

PALÆOGRAPHY.

FIRST-CLASS CERTIFICATES OF MERIT.—Edward Blades, Edinburgh ; Catherine Borland, Edinburgh ; John Ewing, Edinburgh ; D. Greig, Edinburgh ; Alexander Mitchell, Edinburgh.

P. HUME BROWN, LL.D., *Professor.*

BRITISH HISTORY, 800-1307.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. James Munro, M.A., Edinburgh (*Medal*); 2. John Davidson, Ayr, and Alexander Robertson, Edinburgh—equal; 4. D. R. Matheson, M.A., India; 5. T. R. Gardiner, M.A., Cork; 6. J. W. Nelson, Rosewell; 7. J. L. Watson, India, and M. M. Wedderburn, M.A., Madderty—equal; 9. John Ewing, Edinburgh.

SECOND-CLASS CERTIFICATES.—10. W. D. Ritchie, Arbroath; 11. H. H. Craw, M.A., Berwickshire; 12. J. M. Glen, M.A., Edinburgh, and G. D. Walker, M.A., Perth—equal; 14. E. E. Enever Todd, Musselburgh; 15. F. M. Philip, M.A., New Galloway.

MACKAY LECTURES IN HISTORY.

FIRST-CLASS CERTIFICATES.—1. J. W. Nelson, Rosewell (*Medal*); 2. J. L. Watson, India; 3. J. Ewing, Edinburgh; 4. W. R. Walker, Edinburgh; 5. V. V. Phadke, India; 6. G. D. Walker, M.A., Perth.

SECOND-CLASS CERTIFICATES.—7. Alice A. Smith, Leith; 8. J. B. Marshall, M.A., Perth; 9. R. B. Forrester, Lancashire, and Norman Macleod, Edinburgh—equal; 11. A. Edith Chisholm, Edinburgh.

POLITICAL SCIENCE.

HONOURS CLASS.

FIRST-CLASS CERTIFICATES.—1. Alexander Robertson, Edinburgh (*Medal*); 2. W. D. Ritchie, Arbroath.

SECOND-CLASS CERTIFICATES.—3. J. Ewing, Edinburgh, and V. V. Phadke, India—equal; 5. J. M. Glen, M.A., Edinburgh, and E. E. Enever Todd, Musselburgh—equal.

D. P. HEATLEY, *Lecturer*.

FINE ART.

CLASSICAL ARCHÆOLOGY—HONOURS COURSE.

CLASS PRIZE.—Margaret Maybin.

ORDINARY CLASS.

MEDAL AND FIRST-CLASS PRIZE.—David H. Gillan.

COUSIN PRIZE FOR ESSAYS.—Andrew J. Young.

SECOND PRIZE FOR ESSAYS.—Percy Mackenzie.

HIGHLY COMMENDED FOR ESSAYS.—David H. Gillan, James Smyth, Jean S. Ferguson, Marjory Berry.

G. BALDWIN BROWN, M.A., *Professor*.

Faculty of Science.

SUMMER SESSION, 1905.

ASTRONOMY.

ADVANCED THEORETICAL CLASS.

James Mason (*Medallist*), J. L. Pirie, M.A.

ADVANCED PRACTICAL CLASS.

J. L. Pirie, M.A. (*Medallist*), James Mason.

J. HALM, Ph.D., *Lecturer.*

STRUCTURAL AND FIELD GEOLOGY.

1. Walter Bisset, Yokohama, and Martin C. Comrie, Alloa—equal (*Medallists*); 3. Geo. D. Walker, Scotland; 4. J. W. Scott Macfie, England; 5. Geo. G. M'Quillen, Lochgelly; 6. Lewis J. B. Turner, Edinburgh; 7. Wm. T. Stockley, Lancashire; 8. W. M. Leggate, Scotland, and N. K. Pillai, India—equal; 10. D. Shepherd, Scotland; 11. W. F. P. M'Lintock, Edinburgh; 12. Robert Nicol, Edinburgh; 13. J. H. Buchanan, Scotland; 14. William M'Kenzie, Kirkcaldy; 15. H. Corbin, England; 16. Albert V. Reis, Edinburgh, and P. D. Booth, Scotland—equal.

JAMES GEIKIE, D.C.L., LL.D., *Professor.*

PETROLOGY.

1. Edwin Dixon, England, and Alex. J. Merriles, M.A., North Berwick—equal (*Medallists*); 3. W. T. Gordon, Govan; John Robertson, Scotland; and John Strath, M.A., Braemar—equal; 6. George S. Dickson, M.A., Blairgowrie, and T. W. Moore, M.A., Durham—equal; 8. R. C. Anderson, India, and Wm. Eadie, M.A., Scotland—equal; 10. D. B. Glegg, Edinburgh; 11. Alex. M. Cameron, Essex; 12. John M. Gordon, Scotland; 13. Wm. Forbes, Auchendinny.

ROBERT CAMPBELL, M.A., B.Sc., *Lecturer.*

INTERMEDIATE CHEMISTRY.

1. James A. Donaldson, Orkney (*Medallist*); 2. William Forbes and Isabella M. Towers, Nova Scotia—equal; 4. John Harkess, Cockenzie; 5. David Bain, Edinburgh, and J. S. Strang, Edin-

burgh—equal ; 7. William M'Rae, Edinburgh ; 8. G. E. Gibson, Scotland ; 9. W. Grieve ; 10. D. B. Glegg, Edinburgh, and C. Norman Kemp, Edinburgh—equal ; 12. W. Edgar Evans, Edinburgh ; 13. Marion C. R. Lornie, Lanarkshire ; 14. Hugh B. Murdoch ; 15. George Bryce and G. M'Quillen—equal ; 17. Bessie A. Ironside, Lancashire ; 18. William Eadie, Larbert ; 19. C. D. Douglas, Irvine ; 20. H. Grant Cumming, T. A. Lindsay, and John M. Thorburn, Stranraer—equal.

ALEX. CRUM BROWN, D.Sc., *Professor*.
W. W. TAYLOR, D.Sc., *Lecturer*.

CHEMICAL THEORY AND HISTORY.

1. William M'Crae (*Medallist*) ; 2. W. S. Millar ; 3. David Bain.
LEONARD DOBBIN, Ph.D., *Lecturer*.

MINERALOGY AND CRYSTALLOGRAPHY.

1. N. K. Pillai, India (*Medallist*) ; 2. John Robertson ; 3. J. Strath, Braemar ; 4. David Bain ; 5. William Forbes, Auchendinny, and Robert M'Intosh, Edinburgh—equal ; 7. Alex. M. Cameron, Essex ; 8. Edward H. Smith ; 9. R. C. Anderson, India.
HUGH MARSHALL, D.Sc., *Lecturer*.

PLANT PHYSIOLOGY.

1. M. Y. Orr (*Medallist*) ; 2. D. C. M'Intosh.
A. W. BORTHWICK, D.Sc., *Lecturer*.

INVERTEBRATE ZOOLOGY WITH LABORATORY WORK.

1. Robert Stephen Adamson (*Medallist*) ; 2. Andrew Rutherford ; 3. William Watson ; 4. D. W. Henderson, M.A., and A. G. Ritchie—equal.
J. H. ASHWORTH, D.Sc., *Lecturer*.

ENGINEERING FIELD WORK.

ADVANCED COURSE.

HONOURS CERTIFICATES (FIRST-CLASS).—H. Fraser, A. M. Heron, R. C. Inglis, R. St J. Mitchell, G. Romanes, J. L. White.

ORDINARY COURSE.

HONOURS CERTIFICATES (FIRST-CLASS).—1. D. Shepherd and J. M. Thorburn—equal (*Medals and Prizes*); 3. H. L. Vogler; 4. P. D. Booth; 5. J. Buchanan; 6. J. Cochrane and W. Mackenzie—equal; 8. J. Oswald; 9. J. F. Jamieson; 10. L. Armstrong and W. T. Stockley—equal; 12. N. K. Pillai and J. Turnbull—equal; 14. H. H. Corbin and L. W. W. Lees—equal; 16. W. M'Donald; 17. A. V. Reis; 18. A. W. Millar; 19. R. A. Patrick; 20. A. T. Belfrage.

HONOURS CERTIFICATES (SECOND-CLASS). — N. Hawdon; T. M'Cudden; G. D. Waddell.

T. HUDSON BEARE, M.Inst.C.E., *Professor*.

ENGINEERING DRAWING.

1. Douglas G. Robb (*Medallist*); 2. James O. Affleck and Charles W. Macfie—equal; 4. C. V. Thornton and M. Barrington Ward—equal; 6. Will. L. Tod.

W. HUME KERR, M.A., B.Sc., *Lecturer*.

WINTER SESSION, 1905-1906.

ASTRONOMY.

CLASS MEDAL AND FIRST RAMSAY MEMORIAL PRIZE—A. J. Merriles, M.A., B.Sc.

SECOND RAMSAY MEMORIAL PRIZE—James Black, M.A.

F. W. DYSON, *Professor*.

GEOLOGY AND MINERALOGY.

1. W. F. P. M'Lintock, Edinburgh (*Medallist*); 2. Lewis J. B. Turner, Edinburgh; 3. John W. Bews, Orkney, and Kate F. Stewart, B.A., Hamilton—equal; 5. William Leggate, Hamilton, and George G. M'Quillen, M.A., Lochgelly—equal; 7. George D. Walker, M.A., B.Sc., Edinburgh; 8. Martin C. Comrie, Alloa; 9. J. G. Greenfield, Edinburgh; 10. Gilbert Carmichael, Dumfriesshire, and Jean G. Thompson, Edinburgh—equal; 12. James Waterston, B.D., Edinburgh; 13. Jessie T. Halden, Scotland; Robert Horn, M.A., West Lothian; and Hugh Jamieson, M.A., Scotland—equal; 16. Hugh B. Murdoch, Scotland; 17. Nellie Turnbull, Edinburgh; 18. William W. D. Gardiner, Kirknewton; 19. Alex. M. Young, Newburgh-on-Tay; 20. Alex. B. Henderson, Thurso; 21. Norman G. Kesting, Inverness; 22. William J. Thomas, Edinburgh.

JAMES GEIKIE, D.C.L., LL.D., *Professor*.

PRACTICAL GEOLOGY.

1. James S. Little, M.A., Canonbie (*Medallist*); 2. Robert C. Wallace, M.A., Orkney; 3. Lewis J. B. Turner, Edinburgh; 4. J. W. Bews, Orkney; J. G. Greenfield, Edinburgh; George G. M'Quillen, M.A., Lochgelly; and James Waterston, B.D., Edinburgh—equal; 8. W. F. P. M'Lintock, Edinburgh; 9. Hugh B. Murdoch, Scotland; 10. J. M. Thorburn, M.A., Stranraer; 11. Hugh Jamieson, M.A., Scotland; 12. Nellie Turnbull, Edinburgh.

ROBERT CAMPBELL, M.A., B.Sc., *Demonstrator*.

JAMES GEIKIE, D.C.L., LL.D., *Professor*.

ADVANCED CHEMISTRY.

1. Isabella M. Towers (*Medallist*); 2. Isabel Mitchell; 3. Elizabeth, S. Eaves; 4. R. C. Anderson.

W. W. TAYLOR, M.A., D.Sc., *Lecturer*.

ADVANCED BOTANY.

1. George Bryce, Glasgow (*Medal*); 2. Matthew Y. Orr, Berwick-on-Tweed; 3. John Garriock, M.A., Orkney; R. Stephen Adamson, Edinburgh; and James Waterston, B.D., Edinburgh—equal; 6. Lewis J. B. Turner, Edinburgh; 7. Alec M. Cameron, Essex.

ISAAC BAYLEY BALFOUR, M.D., D.Sc., *Professor*.

PLANT PHYSIOLOGY.

1. John Garriock, M.A., Orkney (*Medal*); 2. James Waterston, B.D., Edinburgh; 3. Lewis J. B. Turner, Edinburgh; 4. R. Stephen Adamson, Edinburgh; 5. George Bryce, Glasgow; 6. Alec M. Cameron, Essex.

A. W. BORTHWICK, D.Sc., *Lecturer*.

ENGINEERING.

SENIOR CLASS.

FIRST-CLASS CERTIFICATES.—1. D. Shepherd, Scotland (*Medal and Prize*); 2. J. H. Buchanan, Scotland, and J. L. White, Scotland—equal; 4. J. Cochrane, Scotland; 5. H. Fraser, Scotland; 6. A. S. Robertson, Scotland.

SECOND-CLASS CERTIFICATES.—F. W. Anderson, Scotland; P. A. Arnott, Scotland; J. Bain, Scotland; R. C. Inglis, Berwick-on-Tweed.

JUNIOR CLASS.

FIRST-CLASS CERTIFICATES.—1. J. O. Affleck, Scotland, and R. D. Given, Scotland—equal (*Medal and Prize*); 3. F. W. Watson,

Scotland ; 4. A. Joannides, Egypt ; 5. J. Oswald, Scotland ; 6. J. M. Barrington Ward, England ; 7. J. M. Thorburn, Scotland ; 8. W. Mackenzie, Scotland ; 9. J. M. Morris, Scotland ; 10. J. F. Simpson, Scotland ; 11. C. W. Macfie, Scotland.

SECOND-CLASS CERTIFICATES.—J. F. Jamieson, Scotland ; A. G. Tweedie, Australia.

Second Half-Course (only.)

STRENGTH OF MATERIALS.

FIRST-CLASS CERTIFICATE.—H. J. Ireland, Scotland.

SECOND-CLASS CERTIFICATES.—T. E. B. Chalmers, Scotland ; A. W. Millar, Scotland ; R. Russell, Scotland.

SANITARY ENGINEERING AND BUILDING
CONSTRUCTION (PUBLIC HEALTH).

FIRST-CLASS CERTIFICATES.—1. J. P. M'Gowan, Scotland ; 2. G. S. Clark, Scotland ; 3. W. M. Scott, Africa ; 4. H. Jamieson, Scotland.

T. HUDSON BEARE, M.Inst., C.E., *Professor.*

ENGINEERING DRAWING.

SENIOR DIVISION.

1. P. D. Booth (*Medal and Prize*) ; 2. Harold Buchanan (*Prize*) ; 3. Robert Charles Inglis ; 4. James Cochrane ; 5. Alec M. Heron ; 6. James Bain ; 7. A. W. Millar.

JUNIOR DIVISION.

1. Hamilton Fyfe Kedslie (*Medal and Prize*) ; 2. John Oswald ; 3. Angelus Joannides ; 4. Joseph Parker ; 5. I. Barrington Ward ; 6. Douglas G. Robb, M.A.

SECOND HALF OF SESSION—John M. Thorburn.

W. HUME KERR, M.A., B.Sc., *Lecturer.*

APPLIED MATHEMATICS.

DYNAMICS.

FIRST-CLASS HONOURS.—Angelus Joannides, Egypt (*Medal and Prize*) ; H. F. Kedslie, Edinburgh (*Prize*).

SECOND-CLASS HONOURS.—*A. M. Heron, Scotland ; John Oswald, Edinburgh ; P. D. Booth, Scotland.

C. G. KNOTT, D.Sc., *Lecturer.*

ADVANCED PUBLIC HEALTH.

1. J. P. M'Gowan, M.B. (*Medallist*) ; 2. W. M. Scott, M.B. ; 3. G. S. Clark, M.B.

C. HUNTER STEWART, M.B., D.Sc., *Professor.*

* Second attendance.

AGRICULTURE AND RURAL ECONOMY.

1. Andrew M'Kerral, Mid-Calder, and H. C. M'Elderry, Ballymoney—equal (*Medallists*); 3. Thomas Anderson, Edinburgh, and R. M. Wilson, Duns—equal; 5. Joseph Simpson, Whalley; Robert Howie, Arbroath; and George Fisher, Garstang—equal; 8. L. J. Comrie, Edinburgh; 9. Robert Richardson, Singleton; 10. T. M. Brown, Glasgow; 11. H. Corbin, B.Sc., Southampton; and J. M. Lonsdale, Clitheroe—equal; 13. J. T. P. Heatley, Edinburgh.
- ESSAY ON FARM EXCURSIONS.—W. T. Stockley and H. C. M'Elderry—equal (*Medals*); Robert Richardson (*Prize*).

GARTON LECTURES ON COLONIAL AND INDIAN AGRICULTURE.

1. Andrew M'Kerral (*Medallist*); 2. W. T. Stockley and Cyril H. S. Reis—equal; 4. H. C. M'Elderry, W. E. Smith, R. M. Wilson, L. J. Comrie, and J. A. S. Watson—equal; 9. T. M. Brown, Finlay Munro, and N. K. Pillai—equal; 12. Robert R. Scarlett; 13. Thomas Anderson and John Inch—equal; 15. J. T. P. Heatley, J. M. Lonsdale, and Robert Richardson—equal; 18. W. G. Day; 19. R. Lyell.

The Steven Scholarship, of about £70, is awarded to Andrew M'Kerral.
ROBERT WALLACE, *Professor*.

AGRICULTURAL ENTOMOLOGY.

1. Lionel Armstrong (*Medallist*); 2. J. A. S. Watson; 3. J. M. Lonsdale, H. C. M'Elderry, and Robert Richardson—equal; 6. R. E. Scarlett; 7. N. K. Pillai, B.A.; 8. J. T. P. Heatley; 9. John Inch; 10. C. H. S. Reis; 11. H. H. Corbin, B.Sc., J. W. Dougal, and W. C. Porteous—equal; 14. Robert Nicol; 15. George Fisher; 16. W. G. Day; 17. Allister Ogilvy.

W. FREAM, B.Sc., LL.D., *Lecturer*.

AGRICULTURAL CHEMISTRY.

1. Joseph Simpson (*Medallist*); 2. N. D. Beatson Bell; 3. Lionel Armstrong; 4. J. M. Lonsdale; 5. Robert Richardson; 6. J. W. Dougal.

LEONARD DOBBIN, Ph.D., *Lecturer*.

FORESTRY.

1. W. T. Stockley, Wigan (*Medal and Prize*); 2. Lionel Armstrong, Grasmere, and N. K. Pillai, India—equal; 4. J. M'Laren, Longniddry; 5. H. C. M'Elderry, Ballymoney; 6. H. Usher, Hawick; 7. Leslie J. Comrie, Alloa; 8. J. P. Sym, Edinburgh; 9. H. H. Corbin, Southampton; 10. John Loudon, Leslie; 11. Ernest Shirlaw, Lasswade; 12. William Henry (Capt.), Ledbury; 13. W. G. Cunningham, Aberdour.

F. BAILEY, *Lecturer*.

Faculty of Divinity.

WINTER SESSION, 1905-1906.

DIVINITY.

FIRST YEAR.

1. John Pinkerton, M.A., Edinburgh ; 2. C. J. Donaldson, M.A., Edinburgh ; 3. J. F. Alexander M.A., Edinburgh.

HONOURABLE MENTION FOR ESSAY.—H. L. Stewart, B.A., Carrickfergus ; W. K. Grant, M.A., Edinburgh.

SECOND YEAR.

1. John Kellie, M.A., Kilmarnock, and R. T. Monteith, M.A., Abernethy—equal ; 3. G. E. Dodd, M.A.

HONOURABLE MENTION.—J. W. Oastler, M.A.

THIRD YEAR.

1. Alex. Barclay, M.A. Peebles ; G. J. du Plessis, B.A., South Africa ; and Neil Meldrum, M.A., Fraserburgh—equal ; 4. J. R. M. Forbes, M.A., Dalkeith ; 5. Duncan MacLaren, M.A., Balquhider.

HONOURABLE MENTION.—J. M. M. Madill, B.A., Belfast.

W. P. PATERSON, D.D., *Professor*.

BIBLICAL CRITICISM AND BIBLICAL ANTIQUITIES.

1. Neil Meldrum, M.A., Fraserburgh (*Medallist*) ; 2. Alexander Barclay, M.A., Peebles, and John Kellie, M.A., Kilmarnock—equal ; 4. J. M. M. Madill, B.A., Ireland ; 5. G. E. Dodd, M.A., Edinburgh ; 6. G. J. du Plessis, B.A., Cape Colony, and Duncan MacLaren, M.A., Balquhider—equal.

HONOURABLE MENTION.—J. R. M. Forbes, M.A. ; D. J. Browne, B.A.

JOHN PATRICK, D.D., *Professor*.

ECCLESIASTICAL HISTORY.

- PRIZEMEN.—1. Neil Meldrum, M.A., Fraserburgh (*Medallist*) ; 2. Alexander Barclay, M.A., Peebles, and Gerrit J. du Plessis, B.A., Cape Colony—equal ; 4. John R. M. Forbes, M.A., Dalkeith ; 5. Duncan MacLaren, M.A., Balquhider ; 6. Charles J. Donaldson, M.A., Edinburgh.

HONOURABLE MENTION.—John Pinkerton, M.A., Edinburgh, and James W. M. Williamson, M.A., Argyllshire—equal.

M. C. TAYLOR, D.D., *Professor*.

HEBREW AND SEMITIC LANGUAGES.

SENIOR HEBREW.

PRIZEMEN.—1. Robert T. Monteith, M.A., Abernethy, Perthshire (*Medallist*); 2. John Pinkerton, M.A., Edinburgh; 3. John Kellie, M.A., Kilmarnock; 4. Andrew Downie, M.A., Alloa.

SECOND-CLASS CERTIFICATES OF MERIT.—5. Oliver Shaw Rankin (*Arts*), Edinburgh; 6. John W. Oastler, M.A., Fessie; 7. C. J. Donaldson, M.A., Edinburgh; 8. George E. Dodd, M.A., Edinburgh; 9. James B. Clark, Cockermouth; 10. Andrew M'Intosh, M.A., Edinburgh.

JUNIOR HEBREW.

PRIZEMEN.—1. David Foulis, Edinburgh (*Medallist*); 2. Walter Gerrard, Greenock.

SECOND-CLASS CERTIFICATES OF MERIT.—3. James A. M'Lauchlan, Dundee; 4. William S. Stein, M.A., Edinburgh; 5. B. Clifford Plowright (*Arts*), Bradford; 6. Stevenson Macgill, Musselburgh.

ARABIC.

PRIZEMAN.—C. J. Donaldson, M.A., Edinburgh.

SECOND-CLASS CERTIFICATE OF MERIT.—D. H. Rai, B.A., India.
A. R. S. KENNEDY, D.D., *Professor*.

Faculty of Law.

SUMMER SESSION, 1905.

CIVIL LAW.

PRIZEMEN.—1. Archibald Hutcheon, M.A.; 2. William Lowson; 3. W. J. M. Dunlop and G. G. M'Kerron, M.A.—equal.

HONOURS.—5. J. Walcot Stewart and G. M. Thornton, B.A., Oxon.—equal; 7. Thomas Dunn; 8. W. D. Winchester; 9. T. B. W. Ramsay.

The Muirhead Prize for the highest distinction in the Winter and Summer Sessions, taken together, was divided between Archibald Hutcheon and William Lowson.

JAMES MACKINTOSH, LL.D., *Professor*.

SCOTS LAW.

1. John Hope Campbell, M.A., Midlothian; 2. Norman S. Main, Elginshire; 3. David Littlejohn, Forfarshire; 4. James A. M'Millan, Wigtownshire (*Prizemen*); 5. H. Alexander, Lancashire; 6. James S. Gray, Forfarshire; 7. William Whyte, Forfar-

shire; 8. Andrew Riddle, Stirlingshire; 9. Robert F. Scott, Selkirkshire; 10. Lawrence Marshall, Mid-Lothian; 11. Quintin B. Grant, Banffshire; 12. Robert S. Aitchison, Stirlingshire; 13. A. Sharp, Perthshire; 14. George Dundas, Forfarshire; 15. Donald Noble, Inverness-shire; 16. G. E. R. Young, M.A., Midlothian; 17. Robert Archibald, M.A., Kinross-shire; 18. C. L. Raich, M.A., India, and A. A. Mackenzie, Aberdeenshire—equal; 20. Arthur Sked, Berwickshire; 21. Herbert Millar, Midlothian.

ESSAY PRIZES.—1. Craigie M. Aitchison, M.A.; 2. Charles L. Raich, M.A.

JOHN RANKINE, K.C., M.A., LL.D., *Professor.*

FORENSIC MEDICINE.

1. John Hope Campbell, M.A. (*Medallist*); 2. Robert Archibald; 3. E. MacLagan Wedderburn, M.A.; 4. W. L. Christie, M.A.; 5. A. J. Nicolson, M.A.; 6. A. S. J. Logan; 7. G. Muir Thornton, B.A.; 8. J. C. Lees and G. E. R. Young, M.A.—equal.

HENRY D. LITTLEJOHN, Kt., M.D., LL.D., *Professor.*

INTERNATIONAL PRIVATE LAW.

1. William Alexander Scott Douglas, West Indies (*Prizeman*); 2. A. H. C. Lamb, Glasgow; 3. D. G. Pillai, Tanjore, East Indies.

J. H. MILLAR, B.A., LL.B., *Lecturer.*

ADMINISTRATIVE LAW.

1. George Smith, M.A., Aberdeen (*Prizeman*); 2. A. A. Mackenzie, M.A., St Andrews; 3. T. R. W. Ramsay, M.A., Edinburgh.

WINTER SESSION, 1905-1906.

PUBLIC LAW.

PRIZEMEN.—1. W. H. Stevenson, C. L. Riach—equal; 3. W. J. Mercer Dunlop.

HONOURS.—4. N. D. Mudie; 5. W. A. S. Douglas, W. D. Winchester—equal; 7. J. C. Lees; 8. A. H. C. Lamb; 9. Andrew Myles, G. E. R. Young—equal; 11. E. M. Wedderburn; 12. Robert Archibald; 13. C. H. C. Johnstone; 14. David Mackenzie.

ESSAY PRIZE.—W. H. Stevenson.

L. J. GRANT, Bart., LL.D., *Professor.*

CIVIL LAW.

PRIZEMEN.—1. James Robb, M.A.; 2. D. R. Scott and W. D. Winchester—equal.

HONOURS.—4. J. D. H. Dickson; 5. H. D. Mann; 6. G. L. Allardyce, M.A.

FORENSIC PRIZE, for Best Essay by Student of the Previous Year.—J. Carmont, M.A.

JAMES MACKINTOSH, LL.D., *Professor.*

CONSTITUTIONAL LAW AND HISTORY.

1. James E. Todd; 2. W. P. Young; 3. Alex. Mitchell (*Prizemen*); 4. Clementina M. Gordon and Ida M. Law—equal; 6. W. J. Mercer Dunlop, John Ewing, L. Gordon Grant, J. D. M'Clymont, and Josephine G. Stuart—equal; 11. G. Cowe, J. G. Lindsay, and N. K. Pillai—equal; 14. Thos. Jack and G. M. Thornton—equal.
- J. KIRKPATRICK, LL.D., *Professor.*

SCOTS LAW.

1. George R. Lamb, Forfarshire (*Thow Scholar*); 2. William Doig Robertson, Perthshire; 3. W. G. More, Midlothian; 4. John M. Murray, Perthshire; 5. Charles W. Tait, Orkney; 6. W. J. Mercer Dunlop, Renfrewshire; 7. Robert F. Steel, Midlothian; 8. William Lawson, M.A., Ireland; 9. John C. Masterton, Clackmannanshire (*Prizemen*).
10. Robert J. L. Elliot, Kincardineshire; 11. James H. B. Will, Aberdeenshire; 12. J. Walcot Stewart, Midlothian; 13. John Brown, Midlothian; 14. James Hardie, Midlothian; 15. A. M. J. Graham, Fifeshire; 16. W. A. S. Douglas, M.A., West Indies; 17. George J. Sherriff, Forfarshire; 18. Alexander Lawrie, Stirlingshire; 19. Alexander Jack, Midlothian; 20. William T. Mitchell, Forfarshire.

JOHN RANKINE, K.C., M.A., LL.D., *Professor.*

CONVEYANCING.

1. Archibald Hutcheon, Banffshire (*Thow Scholar*); 2. John H. Campbell, Midlothian; 3. George Dundas, Forfarshire; 4. Archibald Campbell Brown, Midlothian; 5. James A. M'Millan, Wigtownshire; 6. Thomas Lillie, Lanarkshire; 7. David Littlejohn, Forfarshire; and 8. Lawrence Marshall, Midlothian (*Prizemen*); 9. James Keay, Perthshire; 10. Donald Noble, Inverness-shire; 11. Albert A. Mackenzie, Aberdeenshire; 12. Harold Alexander, Lancashire; Robert F. Scott, Selkirkshire; and Arthur Shed, Berwickshire—equal; 15. A Hamilton Scott, Lanarkshire;

16. Stewart L. Davie, Forfarshire; 17. T. S. Whyte Smith, Selkirkshire; 18. George Smith, Banffshire; 19. John MacGregor Mailer, Lanarkshire; 20. Roualeyn W. Matthewson, jun., Berwickshire; 21. Herbert Millar, Midlothian; 22. Norman S. Main, Elginshire; 23. Robert Archibald, Kinross-shire; 24. John Roddick, Dumfriesshire; 25. Edward E. Jelbart, Midlothian; 26. E. M. Wedderburn, Forfarshire; 27. A. R. H. Johnston, Wiltshire; 28. C. L. Riach, India; 29. William Whyte, Forfarshire; 30. F. W. G. Urquhart, Perthshire; 31. Allan E. Ker, Midlothian; and Andrew Riddle, Stirlingshire—equal.

JOHN L. MOUNSEY, W.S., *Professor.*

PROCEDURE AND EVIDENCE.

1. John Donaldson Lownie (*Prizeman*); 2. Charles Lockhart Riach, M.A.; 3. William Leslie Christie, M.A.; 4. Thomas Bridgehill Wilson Ramsay, M.A.

JOHN HARVEY, B.A., LL.B., *Lecturer.*

Faculty of Medicine.

SUMMER SESSION, 1905.

ELEMENTARY BOTANY.

FIRST-CLASS HONOURS.—1. William Macdonald, Inverness; 2. William Burns, Montrose; 3. John Garriock, Orkney, and Roy Russell Kerr, Winnipeg—equal; 5. J. Falconer Brown, New Zealand, and Andrew L. Dykes, Leamington—equal (*Medallists*); 7. Matthew R. Drennan, Ayrshire; 8. Charles J. G. Bourhill, Kimberley; 9. T. E. Harwood, B.A., England; George E. King, China, and George Sutherland, Wick—equal; 12. David S. Harvey, Orkney; 13. Herbert G. Feltham, New Zealand, and John Gordon Thomson, M.A., Scotland—equal; 15. George A. Ewart, Edinburgh, and James Oag, M.A., Thurso—equal; 17. Wilfred J. Fletham, New Zealand; G. Russell Inglis, Hebburn-on-Tyne; James S. Little, Canonbie; and Gerald G. Wray, Ireland—equal; 21. John Drummond, New Zealand; William T. Gordon, Govan; and Andrew McKerral, Mid-Calder—equal; 24. George Bryce, Edinburgh; 25. William L. Burgess, Aberdeen, and Andrew Rutherford, Blairadam—equal.

SECOND-CLASS HONOURS.—27. R. M. Allan, Queensland; Percy Chisholm, New Zealand; Eion Lamont Ferguson, Cape Colony; Henry F. Hamilton, San Francisco; and F. M'Ewen Sinclair, Culross, Fife—equal; 32. Thomas H. Balfour, Portobello;

Francis G. Bell, New Zealand ; and John M. Moyes, Largs—equal ; 35. Gerald E. K. Branch, West Indies, and Graham H. Garnett, British Guiana—equal ; 37. R. Brereton Chamberlain, Ireland ; Edward B. Gunson, New Zealand ; Robert C. Harkness, Dumfries ; J. V. Karve, India ; D. C. M'Intosh, Scotland ; and W. F. P. M'Lintock, Edinburgh—equal ; 43. Malcolm M. Morrison, New Zealand (62) ; 44. Alfred M. Elliott, Tyrone, and James R. Scott, Stitches, Kelso—equal ; 46. Bert. L. Woolf, Bradford ; 47. Samuel Alker, Wigan ; 48. George L. Cawkwell, Auckland ; Alexander W. Gill, Edinburgh ; C. G. Kurien, India ; J. E. T. Oxley, Trinidad ; D. Glenorchie Robertson, Melbourne ; and C. M. Schaffter, India—equal ; 54. Henry S. Curr, Edinburgh ; J. M. Elliot, Scotland ; and John Montgomery, Sydney, Australia—equal ; 57. T. Henry R. Mathewson, Queensland ; William Renton, Ratho ; and Lewis J. B. Turner, Edinburgh—equal ; 60. G. Macdonald, Invergordon ; James M'Erlain, Dundee ; G. M. Miller, Scotland ; and A. A. Morrison, Bengal—equal ; 64. A. G. Brown, Manchester ; Alexander A. Elder, London ; William Russell, Scotland ; J. M. Scott, Dunedin ; and George H. Stevenson, Haddington—equal ; 69. Malcom Stewart, Skye ; 70. George Tate, India ; J. J. Tough, Crook ; and W. G. Waugh, Scotland—equal ; 73. David Murray Lyon, Wooler, and J. Campbell Smith, Edinburgh—equal ; 75. Hubert E. A. Lemerle, India ; Dermid M. Ross, Edinburgh ; James Swan, Falkirk ; and Alexander L. Taylor, Oban—equal ; 79. David Aiken, Ireland ; William D. Brownrigg, Penrith ; C. G. Marais, South Africa ; and Guy A. Wyon, London—equal ; 83. W. W. Carlow, M.A., Edinburgh ; 84. Eustace C. Burke, Jamaica ; G. Gordon Johnstone, Yorkshire ; and A. Macgregor Warwick, Egypt—equal ; 87. Valentine H. Gordon, New Zealand ; Allan H. Porter, Arbroath, and John Stevenson, Ayr—equal ; 90. Harry E. Vieira, Trinidad ; 91. William R. Logan, Kelso ; William M'Kie, Newton-Stewart ; T. C. Ritchie, Edinburgh ; James Robertson, Shetland ; and John W. Senter, Kildrummy—equal.

ELEMENTARY PRACTICAL BOTANY.

DIVISION A.

FIRST-CLASS HONOURS.—1. Andrew Rutherford, Blair-Adam ; 2. James R. Stott, Stitches, Kelso ; 3. Herbert G. Feltham, New Zealand (*Medallists*) ; 4. J. Falconer Brown, New Zealand, and Malcolm M. Morrison, New Zealand—equal ; 6. Wilfred J. Feltham, New Zealand ; 7. Fraser M'E. Sinclair, Culross, Fife ; 8. Edward Burton Gunson, New Zealand, and William Donald Brownrigg, Penrith—equal ; 10. George A. Ewart, Edinburgh,

and James Oag, M.A., Thurso—equal ; 12. Andrew L. Dykes, Leamington, and David C. Munro, New Zealand—equal ; 14. William Douglas Reid, New Zealand ; George Sutherland, Wick ; and William G. Wright, Lytham, Lancashire—equal ; 17. T. Henry R. Mathewson, Queensland.

SECOND-CLASS HONOURS.—18. George L. Cawkwell, Auckland, and Lewis J. B. Turner, Edinburgh—equal ; 20. J. V. Karve, India ; 21. Valentine Henry Gordon, New Zealand ; 22. George E. King, China ; David Murray Lyon, Wooler ; Jas. Mackail, Scotland ; William Messer, Auchengray ; A. A. Morison, Bengal ; and George Tate, Bangalore, India—equal ; 28. Alexander A. Elder, London ; Thomas D. Kennedy, Perth ; Dermid Maxwell Ross, Edinburgh ; and John Campbell Smith, Edinburgh—equal ; 32. Josias Daneel, Cape Colony ; David S. Harvey, Orkney ; and Robert MacVean Nicholson, Victoria—equal ; 35. Bernard C. Tennent, Tasmania ; 36. Thomas H. Balfour, Portobello ; J. E. T. Oxley, Trinidad, and Alexander Simpson, Banff—equal ; 39. Matthew R. Drennan, Ayrshire ; 40. Wm. Darlington, Northwich, and G. A. Wyon, London—equal ; 42. Arthur Wright, Scotland ; 43. Roy Russell Kerr, Winnipeg ; 44. Duncan J. M'Afee, West Kirkby, and John Stevenson, Jedburgh—equal.

DIVISION B.

FIRST-CLASS HONOURS.—1. William Burns, Montrose ; 2. John Gordon Thomson, M.A., Scotland ; 3. Andrew M'Kerral, Mid-Calder (*Medallists*) ; 4. Wm. Macdonald, Inverness ; 5. Charles Bourhill, Kimberley ; 6. Wm. T. Gordon, Govan ; 7. J. C. Khambatta, Bombay ; 8. William Renton, Ratho ; 9. John Garriock, Orkney, and William R. Logan, Kelso—equal ; 11. Alexander W. Gill, Edinburgh ; T. C. Ritchie, Edinburgh ; and B. L. Woolf, Bradford—equal ; 14. Evan Owen Bowen, South Wales ; John Drummond, New Zealand, and Robert C. Harkness, Dumfries—equal.

SECOND-CLASS HONOURS.—18. James Crocket, Scotland ; C. G. Kurien, Travancore ; James S. Little, Canonbie ; Thomas Cairns Welsh, Penicuik ; Wm. F. P. M'Lintock, Edinburgh ; and Hofmeyr Schimper, South Africa—equal ; 23. T. Elliot Forrest, South Africa ; 24. C. M. Schaffter, S. India ; 25. George Bryce, Glasgow ; David T. Richardson, Edinburgh ; and D. G. Robertson, Melbourne—equal ; 28. William Harold Inch, Cathcart ; John Murray Moyes, Largs ; George H. Stevenson, Haddington ; James Swan, Falkirk ; and Gerald G. Wray, Ireland—equal ; 33. James M. M'Erlain, Dundee, and William H. Robinson, England—equal ; 35. George Russell Inglis, Hebburn-on-Tyne, and William Henry Lowe, Ireland—equal ; 37. Henry F. Hamilton, San Francisco ; William M'Kie, Newton-Stewart ; and W. G.

Faculty of Medicine—Class Prize and Honours Lists. 565

Waugh, Scotland—equal ; 40. P. Lindsay Brown, Edinburgh ; Graham H. Garnett, British Guiana ; Ronald B. Macfie, Rothesay ; J. M. Mackinnon, Syria ; and Charles Gerard Marais, South Africa—equal ; 45. William S. Robertson, Napier, New Zealand ; 46. William L. Webster, Edinburgh ; 47. W. W. Carlow, M.A., Edinburgh ; 48. A. J. Gordon Hunter, Queensferry, and Arnold P. W. Hutton, Buenos Ayres—equal.

FOR DRAWINGS, ILLUSTRATING WORK DONE DURING THE SESSION.

FIRST-CLASS HONOURS.—1. Evan Owen Bowen, South Wales, and Malcolm M. Morrison, New Zealand—equal (*Prizes*) ; 3. H. G. Feltham, New Zealand ; W. H. Robinson, England ; and Bert. L. Woolf, Bradford—equal ; 6. James M'Erlain, Dundee, and James Robertson, Shetland—equal ; 8. James Little, Canonbie ; 9. James R. Stott, Stitchell, Kelso ; 10. Wm. Renton, Ratho ; 11. J. V. Karve, India ; Clare R. Patton, India ; W. D. Reid, New Zealand ; and Andrew Rutherford, Blair-Adam—equal ; 15. Wilfred J. Feltham, New Zealand ; V. H. Gordon, New Zealand ; and T. Henry R. Mathewson, Queensland—equal ; 18. H. F. Hamilton, San Francisco, and J. Gordon Thomson, M.A., Scotland—equal ; 20. William Burns, Montrose ; D. T. Richardson, Edinburgh ; and Allan Watson, Ross-shire—equal.

SECOND-CLASS HONOURS.—23. George Sutherland, Wick, and R. Brereton Chamberlain, Ireland—equal ; 25. A. Dumas-Child, Chili ; D. J. M'Afee, West Kirkby ; and A. M. Masters, New South Wales—equal ; 28. J. Falconer Brown, New Zealand ; J. C. Khambatta, India ; and William Messer, Auchengray—equal ; 31. A. A. Elder, London ; 32. George Bryce, Glasgow, and John Drummond, New Zealand—equal ; 34. Matthew R. Drennan, Ayrshire ; 35. Alex. W. Gill, Edinburgh ; T. C. Ritchie, Edinburgh ; and Samuel Sloan, Ireland—equal ; 38. R. M. Allan, Queensland ; A. L. Dykes, Leamington ; J. Garriock, Orkney ; Hubert E. A. Lemerle, India ; William Robertson Logan, Kelso ; Andrew M'Kerral, Argyllshire ; Ronald Macfie, Rothesay ; and James Swan, Falkirk—equal ; 46. P. M'Cool, Ireland ; Robert M'Pherson, Perthshire ; and J. E. T. Oxley, Trinidad—equal.

FOR MICROSCOPIC SLIDES ILLUSTRATING WORK DONE DURING THE SESSION.

FIRST-CLASS HONOURS.—1. J. Campbell Smith, Edinburgh (*Prize*) ; 2. Malcolm M. Morrison, New Zealand ; 3. George Sutherland, Wick ; 4. Bert. L. Woolf, Bradford.

SECOND-CLASS HONOURS.—T. C. Ritchie, Edinburgh.

ISAAC BAYLEY BALFOUR, M.D., D.Sc., *Professor.*

ELEMENTARY ZOOLOGY.

1. G. A. Ewart ; 2. Andrew Duncan, M.A., B.Sc. ; 3. R. G. Harkness, Jas. Oag, M.A., and G. G. Wray—equal (*Medallists*) ; 6. J. F. Brown ; 7. H. G. Feltham and T. E. Harwood—equal ; 9. George Tait ; 10. J. Drummond and W. J. Feltham—equal ; 12. A. L. Dykes, G. E. King, and Geo. Sutherland—equal ; 15. J. Garriock, M.A., and W. R. Logan, equal ; 17. C. J. G. Bourhill, G. E. K. Branch, W. L. Burgess, G. L. Cawkwell, E. B. Gunson, K. R. Kerr, and J. J. M. Shaw—equal ; 24. D. S. Harvey and J. C. Smith—equal ; 26. M. R. Drennan, W. Macdonald, M. M. Morrison, and J. W. Senter—equal ; 30. R. M. Allan, E. L. Ferguson, H. E. A. Lemerle, F. D. Pascoe, and T. C. Ritchie—equal ; 35. A. G. Brown, J. R. Inglis, Wm. Ross, and A. B. Todd—equal ; 39. J. R. Bruce, J. B. Ferguson, D. M. Lyon, M. Y. Orr, D. M. Ross, Wm. Russell, J. J. Tough, J. A. Wyon, and J. R. Stott—equal ; 48. J. M. Moyes, T. H. Balfour, W. W. Carlow, D. T. M. Large, and J. M. Mackinnon—equal ; 53. D. G. Robertson and Jas. Swan—equal ; 55. F. G. Bell, J. P. Gharles, and C. M. Schaffter—equal.

PRACTICAL ZOOLOGY.

CLASS A.

1. J. M. Moyes (*Medallist*) ; 2. H. F. Hamilton ; 3. G. H. Garnett ; 4. C. J. G. Bourhill, H. J. Burke, W. F. Christie, W. G. Coltart, J. Garriock, W. Macdonald, and W. Russell—equal ; 11. W. L. Burgess, A. D. Child, J. Drummond, A. G. Forbes, and G. G. Wray—equal ; 16. E. R. Beard, H. H. Brown, J. M. Mackinnon, A. L. Philips, D. T. Richardson, W. Ross, G. H. Stevenson, and Jas. Swan—equal ; 24. A. H. Porter ; 25. G. D. Cairns, W. R. Logan, W. H. Lowe, and R. B. Macfie—equal.

CLASS B.

1. M. M. Morrison ; 2. R. M. Nicholson ; 3. G. Sutherland ; 4. D. S. Harvey (*Medallists*) ; 5. G. King ; 6. Jas. Davie, Ian D. Dickson, A. L. Dykes, E. L. Ferguson, and A. M. Masters—equal ; 11. L. D. Callander, R. R. Kerr, and D. M. Lyon—equal ; 14. F. G. Bell, W. Darlington, W. A. Dunn, and W. D. Reid—equal ; 18. R. A. Bell, G. S. Brown, F. D. Pascoe, and M. Stewart—equal ; 22. E. C. Burke, J. Hunter, J. Oag, and J. E. F. Oxley—equal ; 26. Andrew Campbell, J. P. Charnock, G. M. Graham, J. W. Senter, and J. C. Watson—equal.

J. C. EWART, M.D., *Professor.*

PRACTICAL CHEMISTRY.

FIRST-CLASS HONOURS.—1. J. A. Browne.

SECOND-CLASS HONOURS.—2. J. K. M. Dickie; 3. W. T. Graham;
4. A. Mackenzie; 5. C. C. Foster; 6. L. J. Wallis.

ALEX. CRUM BROWN, M.D., *Professor.*

PHYSICS.

FIRST-CLASS HONOURS.—1. V. H. Gordon, Christchurch, New Zealand, and R. A. Wilson, Scotland—equal (*Medallists*); 3. F. M. Sinclair, Culross, Fife; 4. Josias Daneel, Cape Colony; 5. T. H. R. Mathewson, Queensland; 6. B. N. Burjorjee, Rangoon; 7. John Wilson, Armadale.

SECOND-CLASS HONOURS.—8. David Aitken, Co. Tyrone, Ireland; 9. T. E. Guthrie, Christchurch, New Zealand, and J. Montgomery, Sydney, Australia—equal; 11. C. K. Pole, Edinburgh; 12. R. Hamilton, Donegal, Ireland; 13. C. G. Marais, South Africa; 14. A. Archibald, Co. Derry, Ireland; 15. J. E. T. Oxley, Trinidad, B.W.I.; 16. T. A. Adams, Co. Derry, Ireland; A. M. Elliott, Co. Tyrone, Ireland; and F. P. Fouché, Graaf Reinet, Cape Colony—equal; 19. C. P. R. Stranaghan, Penarth, S. Wales; 20. J. W. C. Drever, Edinburgh, and Samuel Sloan, Ireland—equal.

C. G. KNOTT, D.Sc., *Lecturer.*

PRACTICAL ANATOMY AND ANATOMICAL DEMONSTRATIONS.

SENIOR PRACTICAL ANATOMY.

FIRST-CLASS HONOURS.—1. Wm. Boyd, Edinburgh (*Medallist*); 2. Wm. S. Heron, Ireland; 3. James C. Craig, M.A., Midlothian, and A. D. Edington, Edinburgh—equal; 5. G. H. Lowe, Edinburgh.

SECOND-CLASS HONOURS.—6. James A. Brand, Scotland, and A. C. Court, England—equal; 8. H. S. Cormack, Edinburgh; 9. H. S. Wallace, Prestonpans; 10. V. Lloyd Evans, Warwick; 11. P. M. Carlyle, Scotsbrig; 12. W. D. Coghill, Edinburgh; 13. D. J. Macrae, Australia; 14. M. J. Johnston, Ireland; 15. W. G. C. Evans, Wales, and A. T. Paterson, New Zealand—equal; 17. P. G. Palmer, Australia; 18. H. B. Thomson, Victoria; 19. R. N. Wallace, Edinburgh; W. P. Holden, Preston; W. C. Whiteside, England; H. C. Simpson, Yorkshire; and A. S. MacBeth, Scotland—equal.

W. S. M'Cune, America ; A. K. MacLachlan, New Zealand ; and P. J. Garvey, New Zealand, were absent from one examination, but in the others obtained marks equal to Second-Class Honours.

PRACTICAL ANATOMY.

JUNIOR DIVISION.

Second Year Students.

Examinations on their own dissections.

FIRST-CLASS HONOURS.—1. Alex. Gibson, M.A., Edinburgh ; 2. James Black, Fife (*Medallists*) ; 3. Kenneth Fraser, Scotland, and Kenneth Mackenzie, New Zealand—equal ; 5. John Marshall, Tweedmouth ; 6. Fred. Dillon, Falkirk ; J. C. B. Grant, Nottingham ; A. J. Girdwood, Cape Colony ; R. L. Girdwood, Cape Colony ; and D. C. Macaskill, Scotland—equal ; 11. Ellison Cansfield, Bradford ; 12. A. B. Pearson, New Zealand ; 13. H. M. Anderson, Bo'ness ; John Malloch, Scotland ; A. L. Taylor, Oban ; and A. P. Watson, Aberdeen—equal ; 17. W. B. Grant, Sydney, N.S.W., and J. D. Wilson, Tillicoultry—equal ; 19. A. T. Gowan, Scotland ; J. A. Hackett, Ireland ; J. D. Ingram, Melrose ; John Scott, Scotland ; J. J. Thomson, Scotland ; and F. W. Waterworth, Bradford—equal ; 25. D. G. Cooper, Calcutta, and Thos. Gardner, Scotland—equal ; 27. E. W. Richards, Aberystwyth ; 28. John Findlay, Scotland ; J. A. Gordon, Banffshire ; Robert Krause, Scotland ; and A. G. Yates, Spalding—equal ; 32. F. R. Laing, England, and A. A. Walbrugh, Cape Colony—equal.

SECOND-CLASS HONOURS.—34. Adam White, Bury ; 35. J. J. Jervis, Scotland, and W. P. S. Johnson, England—equal ; 37. H. B. Watson, Milnathort ; 38. K. R. K. Lyengar, India ; 39. W. A. Young, Addiewell ; 40. F. E. Jardine, Penicuik, and W. O. Walker, Edinburgh—equal ; 42. W. J. Duncan, British Guiana ; 43. J. J. Pace, Malta ; 44. John Crocket, Edinburgh, and Purser Davies, Wales—equal ; 46. J. E. Brydon, England ; 47. J. H. Peck, N.S.W. ; 48. R. K. S. Sutherland, Scotland ; 49. P. H. Chauvin, Mauritius.

First Year Students.

Examinations on their own dissections.

FIRST-CLASS HONOURS.—1. A. G. Hamilton, New Zealand ; J. H. Lawry, Auckland ; and J. C. MacCallum, Strontian—equal (*Medallists*) ; 4. C. A. Bignold, M.A., Manchester ; 5. A. N. Bruce, Edinburgh ; 6. G. E. G. Mackay, Edinburgh, and John Renwick, Selkirk—equal ; 8. W. F. Buist, Scotland, and Wm.

Morrison, Banffshire ; 10. James MacKail, Galston, and G. E. King, China—equal ; 12. R. C. MacQueen, Eastbourne ; 13. R. R. Kerr, Winnipeg ; 14. Kerr Simpson, Scotland ; 15. J. A. Campbell, Brisbane ; 16. E. L. Middleton, Scotland ; 17. A. J. M'Vie, Berwickshire, and J. M. Scott, Dunedin—equal ; 19. W. C. Paton, Swatow, and Tom Welsh, Edinburgh—equal ; 21. J. K. M. Dickie, Edinburgh.

SECOND-CLASS HONOURS.—22. R. S. Lawson, Blackford ; 23. T. C. Borthwick, Langholm ; 24. S. P. Proctor, St. Lucia, B.W.I. ; 25. H. F. Lumsden, Scotland ; 26. J. A. Mortimer, Edinburgh ; 27. F. A. Duffield, England ; 28. L. M. V. Mitchell, Inverness ; 29. Donald Mick, Rothesay.

D. J. CUNNINGHAM, M.D., *Professor.*

DAVID WATERSTON, M.D., *Lecturer.*

PRACTICAL PHYSIOLOGY (HISTOLOGY).

FIRST-CLASS HONOURS.—1. J. Dykes Wilson, Tillicoultry ; 2. G. H. Sinclair, Derby ; 3. C. J. H. Gatchell, Ireland ; 4. Alex. Gibson, Edinburgh, and D. E. Stodart, Australia—equal (*Medallists*).

The following, whose names are in alphabetical order, obtained First-Class Honours :—

H. M. Anderson, Grantown-on-Spey ; John Brander, San Francisco ; A. Ninian Bruce, Edinburgh ; W. F. Buist, Scotland ; A. W. Burton, Cape Colony ; J. Argyll Campbell, Queensland ; D. G. Cooper, India ; J. C. Craig, Scotland ; J. K. M. Dickie, Midlothian ; W. B. Grant, Sydney, New South Wales ; A. G. Hamilton, New Zealand ; J. D. Ingram, Melrose ; R. D. Laurie, Derby ; H. R. Lawrence, Cape Colony ; J. C. Lorraine, England ; D. C. Macaskill, Scotland ; James Mackail, Scotland ; D. M'Phail, Scotland ; E. L. Middleton, Scotland ; J. A. Mitchell, Scotland ; L. M. V. Mitchell, Inverness ; J. A. Mortimer, Edinburgh ; John Renwick, Selkirk ; F. Esmond Reynolds, Ilkley ; A. G. Ritchie, Scotland ; J. E. Spence, England ; J. G. Thomson, Scotland ; F. H. de Villiers, Cape Colony ; W. O. Walker, Edinburgh.

SECOND-CLASS HONOURS (in Alphabetical Order).—D. C. Adam, Australia ; J. R. Adam, Foochow, China ; C. A. Bignold, Manchester ; Walter Bisset, Yokohama ; James Black, Leslie, Fife ; Wm. E. Brand, Broxburn ; F. Brodziak, Cape Colony ; B. N. Burjorjee, Rangoon ; Ellison Cansfield, England ; P. M. Carlyle, Ecclefechan ; John Cathcart, Ireland ; N. A. Coward, Leicester ; J. Smith Crichton, Scotland ; J. Crocket, Scotland ; R. M. Donald, Edinburgh ; F. A. Duffield, Birmingham ; G. F. Fisser, South Africa ; E. L. Galletly, Elgin ; Fred. P. Gibson, Scotland ; A. I. Girdwood, Cape Colony ; R. L. Girdwood, Cape Colony ; W. Ethard Goss, England ; Anthony Gowan, Scotland ; D. M.

Grant, Wick ; J. C. B. Grant, Nottingham ; J. Hackett, Ireland ; E. B. Hoffman, South Africa ; K. R. K. Iyengar, Bangalore ; India ; Francis E. Jardine, Penicuik ; H. E. Johnson, Shrewsbury ; E. W. Kirk, Scotland ; Robert Krause, Scotland ; James Langwill, Portobello ; J. Howard Lawry, Auckland, New Zealand ; J. S. Levack, Scotland ; L. A. Lewis, Auckland, New Zealand ; Harry Lipetz, Scotland ; H. A. V. Loots, South Africa ; P. C. Lornie, Scotland ; H. Foote Lumsden, Eskbank ; A. Stewart Macbeth, Scotland ; J. R. M'Gregor, Wales ; G. E. G. Mackay, Edinburgh ; A. D. M'Kenzie, Natal ; A. C. M'Killop, Inverness ; W. M. Macnab, Scotland ; R. C. M'Queen, Eastbourne ; A. J. Macvie, Chirnside ; John Malloch, Scotland ; W. J. F. Mayne, Ireland ; I. A. van Niekerk, Cape Colony ; E. F. W. Nixey, Ayr ; A. C. Norman, England ; J. E. R. Orchard, England ; J. J. Pace, Malta ; J. H. Peek, New South Wales ; O. E. Powell, India ; S. P. P. Proctor, St. Lucia ; Khaja Abdul Rahman, Punjab, India ; E. W. Richards, Aberystwyth ; Donald Ross, Freiburg i. Baden ; R. P. Rosser, Surrey ; John Scott, Scotland ; John M. Scott, Dunedin, New Zealand ; J. J. M'Intosh Shaw, Edinburgh ; W. Skirrow, England ; W. N. van Someren, Straits Settlements ; H. W. Teague, England ; Wyville S. Thomson, Scotland ; N. G. Thornley, Lancashire ; Roland Thorp, England ; Sydney G. Tibbles, Nottingham ; R. Verel, Scotland ; A. Walbrugh, South Africa ; F. W. Waterworth, England ; A. Pirie Watson, Aberdeen ; J. P. Whetter, England ; E. V. Williams, Wales ; R. B. M. Yates, Middlewich ; W. Allan Young, Addiewell.

E. A. SCHAFER, LL.D., *Professor.*

PRACTICAL MATERIA MEDICA.

FIRST-CLASS HONOURS.—1. Herbert M. Spoor, London ; 2. Gabriel Julian Luyt, South Africa—(*Medallists*) ; 3. W. Bartholin Sommers, New Zealand, and F. William Waterworth, England—equal ; 5. John Crocket, Edinburgh ; 6. Joseph E. Spence, England ; 7. Alexander G. M. Grant, Lochinver ; A. C. M'Killop, Scotland ; and John Marshall, England—equal ; 10. Robert Hannah, Scotland.

SECOND-CLASS HONOURS.—11. John Findlay, Scotland ; 12. Ludwig Lüthgen, Germany ; John Scott, Dumfries ; and Frans Karel te Water, South Africa—equal ; 15. Reinhard Carl J. Meyer, South Africa ; 16. Henry S. Cormack, Scotland ; James C. Craig, Scotland ; and Khaja Abdul Rahman, Punjab—equal ; 19. John B. Ingram, Melrose ; 20. William Boyd, Scotland ; Thomas Gardner, Scotland ; Robert Krause, Scotland ; and F. H. de Villiers, Cape Colony—equal ; 24. Ellison Cansfield, England ; and Alexander Pirie Watson, Scotland—equal ; 26. Francis E.

Jardine, Penicuik ; 27. Neil S. Neill, Scotland ; 28. A. Ninian Bruce, Edinburgh ; R. L. Girdwood, Cape Colony ; and J. C. B. Grant, Scotland—equal ; 31. D. G. Cooper, Calcutta ; 32. A. R. Bearn, England ; John Brander, U.S.A. ; John H. H. Pearson, Scotland ; and Herbert S. Wallace, Scotland—equal ; 36. Donald M. Grant, Wick ; K. R. K. Iyengar, India ; C. L. Louw, South Africa ; and William M. MacNab, Scotland—equal ; 40. A. I. Girdwood, Cape Colony ; 41. Alexander G. M'Leod, Scotland ; and A. C. Mallace, Scotland—equal ; 43. Alexander Gibson, Scotland ; and Kenneth M'Kenzie, New Zealand—equal ; 45. William Bainbridge, Scotland ; and J. G. Nicholson, Scotland—equal ; 47. Herbert L. Watson Wemyss, Scotland ; 48. E. F. W. Nixey, England ; 49. W. Oliphant Walker, Scotland ; 50. William B. Grant, Sydney, N.S.W. ; James Langwill, Portobello ; John V. M'Donald, Bombay ; E. A. Walker, India ; and William Allan Young, Addiewell—equal.

THOMAS R. FRASER, Kt., M.D., *Professor.*

EXPERIMENTAL PHARMACOLOGY.

FIRST-CLASS HONOURS.—1. C. A. Thelander, Queensland, and John J. H. Nelson, England—equal ; 3. T. A. Johnston, Ireland, and David Lees, Scotland—equal ; 5. Alister T. Mackenzie, Scotland.
SECOND-CLASS HONOURS.—6. E. J. Black, Scotland, and Thomas Lyon, Scotland—equal ; 8. David Thomson, Scotland ; 9. Govinda Raman Pillai, India, and Dewan Hakamat Rai, India—equal ; 11. F. V. Nanka-Bruce, Gold Coast.

W. C. SILLAR, M.B., B.Sc., *Lecturer.*

PRACTICAL PATHOLOGY.

FIRST-CLASS HONOURS.—1. Thomas Derrick, Scotland ; 2. J. G. Greenfield, Scotland ; 3. C. F. Pattie, New Zealand (*Medallists*) ; 4. George L. Duncan, Edinburgh, and John Fraser, Scotland—equal ; 6. Alister T. Mackenzie, M.A., Ross-shire ; 7. Thomas Burrell, Scotland ; 8. J. H. Lechler, London ; H. C. D. Cross, Trinidad ; J. K. A. Hofmeyr, Cape Colony ; William Murdie, Scotland, and D. H. Rai, India—equal ; 13. J. G. de Koch, Cape Colony, and H. B. Thomson—equal ; 15. Daniel Johnston, Cromarty, and G. J. Luyt, Cape Colony—equal ; 17. A. E. Bennee, England ; W. D. Coghill, Edinburgh ; John H. Horne, Inverness ; J. L. Mackay, Scotland ; N. H. Prior, New Zealand ; Adam N. Robertson, Edinburgh ; and C. Thelander, Australia—equal ; 24. P. A. Euvsard, Cape Colony, and R. H. Jamieson, Scotland—equal.

SECOND-CLASS HONOURS.—26. David Robertson, Edinburgh, and William Thomson, Scotland—equal; 28. M. Douglas, India; R. M. Glover, Dumfries; T. A. Johnston, Ireland; S. W. Joubert, South Africa; and J. S. Manifold, England—equal; 33. J. C. Ashton, Wales, and D. J. Guthrie, Scotland—equal; 35. C. H. Corbett, England, and W. S. Stevenson, Dublin—equal; 37. J. B. Alexander, M.A., Wick, and W. A. Scobie—equal; 39. George Henderson, Scotland, and J. L. Wilson, Scotland—equal; 41. D. J. M'Rae, Australia; 42. B. P. Campbell, Edinburgh, and Thomas Lyon, Scotland—equal; 44. Claude Coldicutt, New Zealand; Alex. D. Edington, Scotland; and W. S. Forbes, Scotland—equal; 47. W. J. Porteous, New Zealand; and V. F. Usher, New Zealand—equal; 49. J. A. Brand, Scotland, and C. P. Theron, Cape Colony—equal; 51. C. H. Derksen, South Africa; 52. William Fleming, England; 53. David Thomson, Scotland, and W. W. Thomson, Trinidad—equal; 55. R. E. M'Laren, Calcutta; 56. F. L. Scott, New Zealand; 57. G. G. Middleton, Cromarty, and J. J. H. Nelson, England—equal; 59. A. Bremner, Caithness; 60. F. F. S. Smith, Ireland; 61. J. B. Gibson, Edinburgh; G. R. Pillai, India; and Charles Robertson, India—equal; 64. A. R. Gunn, Scotland, and R. L. Scott, New Zealand—equal; 66. P. G. Palmer, Australia, and A. L. Thornley, England—equal; 68. W. P. Ferguson, Scotland; L. G. M'Cune, Ireland; James Mucnart, Scotland, and Arthur T. Paterson, New Zealand—equal; 72. J. C. Drysdale, Australia; St G. M. L. Homan, England; and John C. B. Williams, Wales equal.

Unavoidably absent (through illness) from one of the three class examinations:—

SECOND-CLASS HONOURS.—W. S. M'Cune, Ireland.

SENIORS—FIRST-CLASS HONOURS.—H. L. Morrow, Ireland.

W. S. GREENFIELD, M.D., *Professor.*

FORENSIC MEDICINE.

FIRST-CLASS HONOURS.—1. C. E. A. Coldicutt; 2. David Robertson; 3. H. C. D. Cross (*Medallists*); 4. H. F. Briggs; 5. R. C. E. Atkinson and A. N. Robertson—equal.

SECOND-CLASS HONOURS.—7. W. O. Sclater, B.Sc.; 8. Geo. Pollock; 9. A. T. Patterson and W. Core—equal; 11. J. S. Manson and W. A. Scobie—equal; 13. A. S. MacColl Robertson and F. G. H. R. Black—equal; 15. J. W. Frew and R. Davidson—equal; 17. T. Buchan; 18. K. N. Ghosh and F. Shannon—equal; 20. Graham Robertson and D. Dowie Dunn—equal; 22. Mackenzie Douglas, F. Blamire, and J. H. Lechler—equal; 25. G. G. Middleton, R. A. Campbell, and William Murdie—

equal; 28. G. J. Adams and J. Macdonald Ross—equal; 30. F. M. Stewart, H. Bruce Low, and A. Arthur—equal; 33. P. Lornie, F. W. M. Cunningham, R. P. Mathers, E. D. Smith, S. K. Datta, J. A. Brand, J. B. Alexander, and J. T. Simson—equal.

HENRY D. LITTLEJOHN, Kt., M.D., *Professor.*

PUBLIC HEALTH.

FIRST-CLASS HONOURS.—1. W. Kelman Macdonald, Scotland; 2. Henry C. D. Cross, Trinidad; 3. R. M. Glover, Dumfries (*Medallists*); 4. J. L. Mackay, Edinburgh.

SECOND-CLASS HONOURS.—5. F. George H. R. Black, India; 6. Thomas Burrell, Scotland, and William Murdie, Sutherlandshire—equal; 8. David Thomson, Scotland; 9. D. H. Rai, India; 10. David Robertson, Edinburgh; 11. David Lees, Ayr; Daniel Johnstone, Cromarty; and Charles P. Theron, Orange River Colony—equal; 14. George L. Duncan, Edinburgh, and William Thomson, Thornhill—equal; 16. Arthur S. Walker, England; 17. F. Blamire, Lancashire, and Adam N. Robertson, Edinburgh—equal; 19. P. A. Euvrard, Cape Colony, and Walter A. Scobie, Coupar-Angus—equal; 21. J. K. A. Hofmeyr, Cape Colony; J. A. Manifold, British Guiana; and George Pollock, Scotland—equal; 24. Hugh F. Briggs, India; J. S. Edwards, India; A. Fergus Hewat, Edinburgh; and Wm. J. Porteous, New Zealand—equal; 28. R. C. E. Atkinson, M.A., New Zealand; Roderick A. Campbell, Scotland; Rory E. M'Laren, Calcutta; and J. S. Manson, Scotland—equal; 32. P. D. Cameron, New Zealand; A. R. Gunn, Scotland; and G. Henderson, Scotland—equal; 35. John B. Alexander, Wick, and Claude Coldicutt, New Zealand—equal; 37. James A. Brand, Scotland; Norman H. Prior and W. O. Slater, B.Sc., Orkney—equal; 40. J. Leitch Wilson, Glenfarg, and A. F. Wright, Southport—equal; 42. C. A. Thelander, Queensland; 43. G. G. Middleton, Cromarty; 44. Aung-Tun, and Charles Robertson, India—equal; 46. W. D. Coghill, Edinburgh, and William S. Forbes, Aberdeenshire—equal; 48. John H. Horne, Inverness, and V. F. Usher, New Zealand—equal; 50. Alexander Hunter, Ayr; 51. J. D. Bowie, Scotland, and A. L. Thornley, England—equal; 53. A. Middleton Hewat, Scotland, and F. F. S. Smith, Ireland—equal; 55. Mackenzie Douglas, Nagpur; J. E. Murray, Scotland; G. Raman Pillai, India, and E. D. Simson, Scotland—equal; 59. J. C. Drysdale, Australia; Gordon G. Jolly, Scotland; J. H. Lechler, London, and Graham Robertson, Scotland—equal; 63. A. F. Babonan, India; E. Drybrough-Smith, Scotland; James J. A. Gannon, Ireland; Matthew Heyns, Cape Colony; W. L. Johnston, Scotland; H. Bruce Low, Sunder-

land ; C. Irvine Milne, England ; F. Shannon, Ireland ; and John C. B. Williams, England—equal.

C. HUNTER STEWART, M.B., D.Sc., *Professor.*

OPERATIVE MIDWIFERY AND GYNECOLOGY.

FIRST-CLASS HONOURS.—1. W. J. Maloney, Scotland ; 2. Peter M'Ewan, M.A., Scotland ; 3. G. D. Mathewson, B.Sc., Scotland (*Medallists*) ; 4. William Anderson, Scotland ; 5. James M. Dickson, Scotland, and Charles M'Neil, M.A., Scotland—equal ; 7. Oliver Smith, England ; 8. J. A. Gunn, M.A., B.Sc., Orkney ; 9. T. Davidson, M.A., Scotland ; 10. James R. Kerr, Scotland ; 11. David Eakin, Ireland ; Wm. Gemmill, M.A., Scotland ; James Lindsay, Scotland ; Eustace M. Simmers, England ; and E. S. Simpson, Scotland—equal.

SECOND-CLASS HONOURS.—16. George S. Banks, Scotland ; Duncan M'F. Barker, Scotland ; and Stewart M'Naughton, England—equal ; 19. W. M. Hewetson, England ; 20. John Chisholm, Scotland, and W. G. Fröhlich, Switzerland—equal ; 22. A. C. M'Master, New Zealand, and J. A. R. Thompson, Scotland—equal ; 24. Henry S. A. Hogg, Scotland, and T. R. Smith, Scotland—equal ; 26. D. M. Mathieson, M.A., Scotland ; 27. James Mackenzie, Scotland, and R. Clive Walker, Scotland—equal ; 29. George Blair, Scotland, and W. M. P. Henderson, M.A., B.Sc., Scotland—equal ; 31. Thomas Campbell, Scotland ; 32. M. A. Ansari, India ; A. S. Hendrie, Scotland ; and W. J. B. Selkirk, Scotland—equal ; 35. L. P. M. Gardner, Scotland, and S. Edgar Martin, Ireland—equal ; 37. S. Kark, Cape Colony ; 38. D. F. Mackenzie, England, and Murdo Mackinnon, Scotland—equal ; 40. John Lindsay, England, and R. E. Moyes, Scotland—equal ; 42. R. B. Thomson, Scotland ; 43. E. G. Girdwood, S. Africa ; James A. Glover, M.A., Scotland ; P. M'Dermid, Scotland ; and A. J. R. O'Brien, England—equal ; 47. Hugh A. Edwards, Scotland, and D. H. Paul, Scotland—equal.

A. R. SIMPSON, M.D., *Professor.*

MENTAL DISEASES.

FIRST-CLASS HONOURS.—1. Æneas Rose, M.A. ; 2. W. O. Sclater, B.Sc. ; 3. A. G. K. Ledger and M. Gavin—equal (*Medallists*) ; 5. C. H. Tewsley ; 6. J. A. Macleod ; 7. J. Alexander ; 8. N. W. Kidston ; 9. F. Ross.

SECOND-CLASS HONOURS.—10. H. F. Briggs ; 11. T. P. Lowson ; 12. P. Lornie, J. M. Christie, S. S. Dykes, and J. Gilmour—equal ; 16. T. B. Johnston ; 17. A. M. Duncan, and G. F. C. Wallis—equal ; 19. M. MacLean and J. W. Brebner—equal ;

21. T. Fraser, E. C. Girling, and J. N. Turnbull—equal; 24. J. S. Manson, W. G. Rivers, and A. E. Visser—equal; 27. J. More; 28. J. A. Ainscow, and R. P. E. Atkinson—equal; 30. J. H. Aikman, W. Core, J. E. Gordon, and A. G. H. Smart—equal; 34. A. H. Bloxome, C. H. Burgess, and R. C. Cunningham—equal; 37. C. J. Milne, F. O. Nanki-Bruce, E. R. Thompson, and N. Wilson—equal; 41. J. M. Ross; 42. G. F. V. Leary, and H. Hay-Thorburn—equal; 44. R. Duncan; 45. K. K. Grieve; 46. R. G. A. Bagnall, and L. D. Stephen—equal; 48. M. S. Fraser, and L. R. H. Marshall—equal; 50. D. D. Dunn, and J. W. Frew—equal; 52. J. M. M'Phail, and G. Pollock—equal; 54. S. G. Corner. S. E. Malherbe, and K. R. Tampi—equal; 57. A. H. M'C. Robertson; 58. F. A. Bradley and W. O. Welpy—equal.

T. S. CLOUSTON, M.D., *Lecturer.*

DISEASES OF THE EYE.

FIRST-CLASS HONOURS.—1. Aeneas Rose, M.A. (*Medallists*); 2. Pascal S. Dias, and E. R. Thompson—equal; 4. R. H. Jamieson, J. L. H. Paterson, and George Y. Richardson—equal.

SECOND-CLASS HONOURS.—7. T. H. Dickson, and Carolus A. Thelander—equal; 9. A. S. Holden, J. A. Currell, and W. O. Schlater, B.Sc.—equal; 12. Frank Ross, J. M'Cutcheon, D. W. Anderson, Thomas Fraser, and E. H. Black—equal; 17. F. S. B. Fletcher, G. M'Mullan, G. Raffan, J. Edwards, and R. C. E. Atkinson—equal; 22. W. G. Rivers, R. G. A. Bagnall, A. T. M'Donald, R. St. Clair Stuart, Roy D. Clayton, J. W. Bingham, Z. M. H. Ross, John M'A. Hill, C. Irvine Milne, George H. Howe, and Graham Robertson—equal.

GEORGE A. BERRY, M.B., *Lecturer.*

DISEASES OF THE LARYNX, EAR, AND NOSE.

FIRST-CLASS HONOURS.—1. Alexander M. Drennan, 93; 2. J. N. Turnbull, 91; 3. Nettie B. Turnbull, 90; 4. Davina R. J. Davidson, 88; 5. Claude Coldicutt, 86; 6. Jessie H. Gellatly, 85; 7. David Robertson, 83; 8. C. A. Thelander, 81; 9. V. F. Usher, 80; 10. Douglas J. Guthrie, 79; 11. Agnes M. Cowan, 78; 12. J. H. Lechler, 77; 13. Elizabeth H. Brook, 76; 14. David Thomson, 75.

SECOND-CLASS HONOURS.—15. Agnes E. Porter, 73; 16. Frank Blamire, 72; 17. D. H. Rai, 71; 18. William Core, 70; 19. O. Herbert Williams, 69; 20. Lewis H. F. Thatcher, 68; 21. W. J. Porteous, 67; 22. Ada E. Miller, 66; 23. John J. H. Nelson, 65; 24. E. J. Black, 63; 25. N. W. Kidston, 62; 26.

576 *Faculty of Medicine—Class Prize and Honours Lists.*

Walter A. Scobie, 61; 27. Douglas P. Blair, 60; 28. J. B. Gibson, 56; 29. Robert M. Robb, 58; 30. William P. Ferguson, 57; 31. William Fleming, 56; 32. F. L. Scott, 55; 33. W. L. Gordon, 54; 34. David Lees, 53; 35. J. L. Wilson, 52; 36. G. S. Williamson, 51; 37. R. E. M'Laren, 50.

For the Lecturer, A. LOGAN TURNER, M.D.

DISEASES OF TROPICAL CLIMATES.

MEN'S CLASS.

FIRST-CLASS HONOURS.—1. E. R. Grieveson, B.A., England; 2. J. W. Scott-Macfie, England—equal (*Medallists*); 3. James A. Loughridge, Scotland, and S. G. Comer, M.A.—equal; 5. F. L. Keisler, Mauritius, and Samuel S. Dykes, Scotland—equal; 7. F. H. Bradley, Ireland; 8. James A. Ainscow, England; 9. J. Malcolm Christie, China, and Robert M. Robb, Scotland—equal; 11. Frank Ross, Scotland, and John Alexander, Scotland—equal; 13. D. M. C. Church, Scotland, and John Ritchie, Scotland—equal; 15. G. A. Gordon, Scotland; James A. Aikman, Scotland; and Richard G. Cunningham, Scotland—equal; 18. J. M. Dass, India; H. D. Robb, Scotland; and John B. Mackenzie, Scotland—equal; 21. R. Duncan, Scotland; J. E. Gordon, and Cyril H. Tewsley, England—equal; 24. A. C. B. M'Murtrie, Scotland, and John D. Harmer—equal; 26. James W. Brebner, South Africa; Arthur Stuart Holden, and E. G. Girdwood, Cape Colony—equal; 29. A. D. Stewart, Scotland; Arnold Davies; Alexander E. Chisholm, Scotland—equal; 32. John W. Cathles, Scotland; Robert Fraser, Scotland; and J. N. Turnbull, England—equal; 35. W. E. Rees Williams, England, and L. H. R. Marshall, Scotland—equal; 37. Sydney T. Champaloup, New Zealand; Alex. W. Young, Scotland; and J. Macdonald Ross, Scotland—equal; 40. H. Hay Thornburn, Scotland; 41. A. G. H. Smart, Scotland.

SECOND-CLASS HONOURS.—42. K. A. Moody-Stuart, M.B., Scotland; 43. J. A. Currel, England; 44. W. J. Maloney, Scotland, and James Scott, Scotland—equal; 46. Arthur J. R. O'Brien, England; 47. E. C. Girling, England; 48. P. M'Ewan, Scotland; 49. R. H. Walton; 50. S. J. Bhatena, India; 51. C. James Milne, Scotland.

WOMEN'S CLASS.

FIRST-CLASS HONOURS.—1. Agnes Ellen Porter, Scotland (*Medallist*); 2. R. Hudson, and E. Wiseman—equal; 4. J. J. Marr, Scotland; 5. Alice M. Burn, Scotland; 6. Ada E. Miller, Scotland; 7. Elizabeth C. Gunn; 8. Edith G. Pycroft; 9. Agnes M. Cowan, Scotland; 10. Elizabeth Hamilton Brook.

ANDREW DAVIDSON, M.D., *Lecturer.*

DISEASES OF THE SKIN.

FIRST-CLASS HONOURS.—1. William Murdie (*Prizeman*); 2. Alexander D. Stewart; 3. A. T. M'Donald; 4. Richard G. Cunningham; 5. Daniel Johnstone; 6. A. Bremner; 7. Robert Duncan.

SECOND-CLASS HONOURS.—8. J. Leitch Wilson; 9. A. G. H. Smart; 10. Thomas Lyon; 11. George Pollock; 12. Robert H. Jamieson; 13. J. B. Gibson, M.A.; 14. Walter A. Scobie; 15. T. A. Johnston; 16. J. A. Manson; 17. Hugh Francis Briggs; 18. A. R. Gunn; 19. John A. Horne; H. Hunter.

W. ALLAN JAMIESON, M.D., *Lecturer.*

WINTER SESSION, 1905-1906.

CHEMISTRY.

ROBERT WILSON MEMORIAL PRIZE.—Francis S. W. Thomson.

FIRST-CLASS HONOURS.—1. Francis S. W. Thomson, Corstorphine; 2. R. D. Masson, Edinburgh; James R. Stott; and G. A. Wyon, London—equal; 5. B. L. Woolf, Bradford; 6. Peter Allan and W. Brown, Annan—equal (*Medallists*); 8. Thomas F. Craig, Kelso; Thomas A. Stewart, Davidson's Mains; and John Cockburn Strachan, Dunbar—equal; 11. John H. Gray, Edinburgh; John A. Hardie, Edinburgh; and R. B. Steele—equal; 14. G. R. Hilson, Newcastle; 15. William Crawford, Carlisle; 16. Wilfred J. Feltham, New Zealand; 17. S. V. Boxer, Edinburgh, and John W. Senter, Kildrummy—equal; 19. Fraser M'E. Sinclair, Culross, and J. J. Tough—equal; 21. W. V. Macaskie, Northumberland; Joseph Simpson, Lancashire; and R. A. Sinclair—equal.

SECOND-CLASS HONOURS.—24. R. M. Allan, Queensland; E. L. Ferguson, East London; Alfred H. Gray, Orkney; and James A. S. Watson—equal; 28. Eugène F. Greig; E. B. Gunson, New Zealand; and Donald J. M'Laren—equal; 31. R. Aitken, Hawick; James C. Brash, Leslie; and George Lindsay, Auchengray—equal; 34. Donald Innes, Cromarty; 35. W. R. Smith, Herts; 36. J. Falconer Brown, New Zealand; 37. James B. Barrowman, Bo'ness, and William Gillespie—equal; 39. John Hepburn, Stromness; 40. J. Bell Ferguson; 41. J. Drummond, New Zealand; William R. Clayton-Heslop, Blackpool; and W. Watson—equal; 44. William M'Kenzie, Kirkcaldy; S. H. Pugh; and A. W. Rattrie, Edinburgh—equal; 47. T. J. L. S. Boyd, Edinburgh; Alexander Gemmel, Edinburgh; George Macdonald, Invergordon; W. P. Murray; N. Purcell; and James Torrance Steele—equal; 53. Kenneth A. Maclean, Muir of Ord, and

578 *Faculty of Medicine—Class Prize and Honours Lists.*

Gobind Ram, Punjab—equal ; 55. K. C. Caldicott, Worcester ; C. Gordon Deane, Barbados ; Alexander Henderson, Edinburgh ; Robert Howie ; T. C. Ritchie ; and Gordon H. J. Wells, London—equal ; 61. Thomas Anderson, Forfarshire ; F. Gordon Bell, New Zealand ; Robert Govan, Stirling ; Branford Morgan, Norwich ; Andrew Rutherford, Blair-Adam ; Thomas R. Sandeman, Edinburgh ; James A. Tomb ; Claude B. Tudehope, New Zealand ; and James Whiteside, Wilsontown—equal ; 70. Alexander Dryburgh, Buckhaven ; Codanda M. Ganapathy, India ; Alexander Leask, Orkney ; Philip W. MacLagan ; K. Nehru ; Edward St John Seelly, Yorks ; D. M. Stewart, Lundin Links ; and R. C. Wallace, Grangemouth—equal ; 78. W. Douglas Reid and Erskine D. Williamson, Edinburgh—equal ; 80. Archibald B. MacLean ; H. M. Mills, Bristol ; Adam W. Moodie ; and Alexander Simpson, Banff—equal ; 84. P. N. Pedersen, Edinburgh, and H. C. Robins—equal ; 86. F. P. Fouché ; John Hunter ; John Munro, Thurso ; and George T. Thomson—equal ; 90. J. G. Pierce Knight, Newfoundland ; James Lamberton, Dunfermline ; and Thomas B. Lyal, Gordon—equal ; 93. Gilbert Burnett, Edinburgh, and J. M. Mackinnon—equal ; 95. H. C. Fraser and E. C. Lang—equal ; 97. Eustace C. Burke, Jamaica ; Ebenhard Philidius ; Thomas M'Call Sellar ; W. A. Shafto ; Frank H. C. Watson ; Robert Weir, Heriot ; and Robert M. Wilson—equal.

D. S. Harvey, Orkney, and William M'Naughton, Comrie, were unavoidably absent from one examination. At the remaining two examinations they obtained marks corresponding to Second-Class Honours.

PRACTICAL CHEMISTRY.

FIRST-CLASS HONOURS.—1. T. Forrest Craig, Kelso, and James R. Stott—equal ; 3. R. M. Allan, Queensland ; Wilfred J. Feltham, New Zealand ; and E. B. Gunson, New Zealand—equal (*Medallists*) ; 6. G. A. Wyon, London ; 7. J. Falconer Brown, New Zealand ; 8. W. V. Macaskie, Northumberland ; 9. Peter Allan, Donald J. M'Laren, and J. J. Tough—equal ; 12. Fraser M'E. Sinclair, Culross ; 13. A. W. Rattrie, Edinburgh ; George Tate ; and H. J. G. Wells—equal ; 16. J. Drummond ; James S. P. Knight, Newfoundland ; S. G. Kriegler ; and H. C. Robins—equal.

SECOND-CLASS HONOURS.—20. S. H. Pugh, Swindon, and John W. Senter, Kildrummy—equal ; 22. William R. Clayton-Heslop, Blackpool ; Thomas R. Sandeman, Edinburgh ; Claude B. Tudehope, Auckland ; and S. H. Wilkinson—equal ; 26. F. Gordon Bell, New Zealand ; 27. Philip W. MacLagan, Berwick-on-Tweed ; 28. Frank H. C. Watson ; 29. E. L. Ferguson, East London ; 30. D. Torquil Large, and A. Philips—equal ; 32. Gilbert Burnett,

Edinburgh, and W. A. Shafto, Aberfeldy—equal; 34. K. G. Hearne; Hugh J. M'Caw, New Zealand; and Branford Morgan, Norwich—equal; 37. David S. Harvey, Orkney; 38. A. C. Heard; D. Murray Lyon; D. F. Macrae, Nairnshire; O. A. J. N. Muriset; and H. Campbell Todd—equal, 43. E. Anderson, Kent; C. J. G. Bourhill; Frank M. Low, Edinburgh; P. J. Oliver; J. Forrest Penman; and R. B. M. Yates—equal; 49. K. B. MacGlashan; William Russell; and James A. Tomb—equal; 52. E. C. Burke Jamaica, and S. N. Mokand—equal; 54. Josias Daneel; F. P. Fouché, South Africa; Samuel Hodgkinson; G. Joubert; Thomas M'Call Sellar; and K. F. Sonntag, Edinburgh—equal; 60. John Hepburn, Stromness; Malcolm M. Morrison; and R. C. Wallace, Grangemouth—equal; 63. James Lamberton, Dunfermline; 64. W. A. Dunn, and P. N. Pedersen, Edinburgh—equal; 66. G. D. Cairns; C. Gordon Deane, Barbados; and Joseph John Levin, South Africa—equal; 69. David T. Richardson, A. Nimmo Smith, and G. H. Stevenson—equal; 72. Abraham Eprile, Christopher Gordon, John Hunter, and S. J. A. Hall Walshe—equal; 76. J. P. Litt; Kenneth A. Maclean, Muir of Ord; and Angus Burns Robertson—equal; 79. J. B. Cunningham, W. E. Fitzgerald, and Alexander Simpson, Banff—equal.

The following were unavoidably absent from one examination. At the remaining three examinations they obtained marks corresponding to—

FIRST-CLASS HONOURS.—N. Purcell, Ireland.

SECOND-CLASS HONOURS.—M. Greenberg, Russia; William P. Murray, Galashiels; William Darlington, England; and Edward St John Seelly.

ALEXANDER CRUM BROWN, M.D., *Professor.*

PHYSICS.

FIRST-CLASS HONOURS.—P. Allan Whitburn, and D. S. Harvey, Orkney—equal; J. F. Brown, Auckland, N.Z., and D. J. M'Laren, Calcutta (*Medallists*); J. Hepburn, Orkney; W. A. Shafto, Aberfeldy; W. W. Carlow, Edinburgh; J. A. Tough, Accrington, Lancashire; K. A. Maclean, Ross-shire; W. MacNaughton, Comrie; G. Burnett, Wigan; W. J. Feltham, Wellington, N.Z.; N. Purcell, Ireland.

SECOND-CLASS HONOURS.—Daisy L. Shawyer, Swindon; G. Sutherland, Wick; S. H. Pugh, Swindon; T. R. Sandeman, Edinburgh; E. L. Ferguson, East London, Cape Colony; D. M. Lyon, Wooler; O. H. Blackley, Londonderry; S. N. Mukand, India; J. R. Stott, Kelso; C. C. Iles, Dunedin, N.Z.; J. A. Tomb, Kilrea, Co. Derry; J. M. Logie, Arbroath; A. Cochrane,

580 *Faculty of Medicine—Class Prize and Honours Lists.*

Edinburgh; E. G. Parry, Wales; C. G. Deane, Barbados; A. W. Rattrie, Edinburgh; C. M. Ganapathy, India; W. P. Murray, Galashiels; W. V. Macaskie, Bamburgh; H. J. M'Caw, Dunedin, N.Z.; E. St J. Seelly, Keighley, Yorkshire; F. G. Bell, New Zealand; Annie C. Greenep, Bentham; D. T. M. Large, Joppa; C. B. Tudehope, Auckland; A. M. Warwick, Alexandria, Egypt; G. H. Stevenson, Haddington; W. R. C. Heslop, Blackpool; A. Hood, Leith; R. C. Wallace, Montrose; J. Hunter, Edinburgh; J. S. P. Knight, Newfoundland; H. C. Todd, Glasgow; E. B. Gunson, Auckland, N.Z.; W. D. Reid, New Zealand; W. D. Brownrigg, Penrith; E. H. Cameron, Edinburgh; O. A. J. N. Muriset, Edinburgh; W. Russell, Scotland.

C. G. KNOTT, D.Sc., *Lecturer.*

ELEMENTARY ZOOLOGY.

FIRST-CLASS CERTIFICATES.—1. R. S. Lawson (*Medallist*); 2. J. S. Little and J. C. Brash;—equal.

SECOND-CLASS CERTIFICATES.—4. W. C. Paton; 5. W. F. P. M'Lintock and B. L. Woolf—equal; 7. T. D. Kennedy and W. S. Robertson;—equal; 9. W. Wellock, 10. G. M. Graham; 11. W. Morrison; 12. J. Lamberton; 13. J. M. Logie; 14. E. Anderson, N. C. Robins, and F. M'E. Sinclair—equal; 17. R. W. Greaterox; 18. K. F. Sonntag; 19. J. Daneel; 20. G. D. Cairns.

PRACTICAL ZOOLOGY.

FIRST-CLASS CERTIFICATE.—1. Wm. H. Inch (*Medallist*).

SECOND-CLASS CERTIFICATES.—2. R. S. Lawson, J. M. Logie, W. C. Paton, J. C. Brash, and W. G. Waugh—equal; 7. G. Ram; 8. J. S. Little, B. L. Woolf, H. D. Doudney, J. M. Christie, J. Stevenson, and A. P. W. Hutton—equal; 14. K. Nehru; 15. P. J. Olivier.

J. C. EWART, M.D., *Professor.*

PRACTICAL ANATOMY.

SENIOR DIVISION.

FIRST-CLASS HONOURS—1. J. C. B. Grant, Scotland; 2. A. I. Girdwood, Cape Colony, and R. L. Girdwood, Cape Colony—equal; 4. Kenneth Mackenzie, New Zealand; 5. James Black, Leslie, Fife (*Medallists*); 6. Adam White, Bury, and A. A. Walbrugh, Cape Colony—equal; 8. John Marshall, Berwick; 9. David MacNair, Sunderland; 10. William Boyd, Edinburgh;

John Findlay, Aberdeenshire; and F. E. Jardine, Penicuik—equal; 13. J. J. Thomson, Scotland; 14. John Scott, Dumfriesshire; 15. A. G. Ritchie, Edinburgh; 16. A. B. Pearson, New Zealand; 17. E. W. Richards, Wales; 18. H. S. Cormack, Scotland; J. C. Craig, M.A., Scotland; Fred Dillon, Falkirk; Peter Gorrie, Edinburgh; W. M. MacNab, Edinburgh; J. G. Thomson, M.A., West Lothian; and H. S. Wallace, Prestonpans—equal; 25. D. G. Cooper, Calcutta; John Crocket, Edinburgh; A. G. M. Grant, Lochinver; and J. D. Ingram, Melrose—equal; 29. A. L. Dykes, Leamington, and J. H. H. Pearson, Scotland—equal; 31. W. G. C. Evans, Wales; E. R. D. Maconochie, Edinburgh; and W. A. Young—equal; 34. R. A. Krause, Scotland; J. H. Peeke, New South Wales; and H. B. Watson, Milnathort—equal; 37. J. A. Gordon, Buckie, and J. J. Jervis, Scotland—equal.

SECOND-CLASS HONOURS.—39. A. C. Court, Lancashire; K. R. K. Iyengar, India; R. W. Lang Todd, Edinburgh; and J. E. Spence, Durham—equal; 43. H. M. Anderson, Bo'ness; J. M. Deuchars, Dundee; W. B. Sommers, New Zealand; and N. G. Thornley, Lancashire—equal; 47. A. L. Taylor, Oban; William Stobie, Edinburgh; and W. O. Walker, Edinburgh—equal; 50. Kenneth Fraser, Kirkcubright; A. C. MacKillop, Laggan; L. E. B. Ward, England; and H. I. Watson Wemyss, Broughty Ferry,—equal; 54. Robert Hannah, Stirlingshire, and A. P. Watson, Aberdeen—equal; 56. J. V. MacDonald, Bombay; 57. John Brander, San Francisco, and F. W. Waterworth, Bradford—equal; 59. F. R. Laing, Northumberland; A. C. Mallace, M.A., Scotland; and E. A. Walker, India—equal; 62. J. E. Brydon, Darlington; Thomas Gardner, Bathgate; J. O. Hamilton, Scotland; and W. P. S. Johnson, Northumberland—equal; 65. J. G. Nicholson, Edinburgh; 66. A. R. Bearn, Lancashire; N. S. Neill, Forfar; and A. G. Yates, Spalding—equal; 69. J. M. Dalrymple, New Zealand, and E. A. Strachan, Ayrbroath—equal; 71. J. V. Karve, India, and A. R. Leggate, Chapelton—equal; 73. W. J. F. Mayne, Ireland; 74. Ellison Cansfield, Bradford; W. T. Gardiner, Edinburgh; and H. E. Johnson, Shrewsbury—equal; 77. Ranald MacDonald, Edinburgh; J. B. Moloney, Ireland; and Sam Rowland, Blackburn—equal; 80. J. P. Charles, Cork; P. H. Chauvin, Mauritius; V. D. O. Logan, England; D. L. Mackenna, Dumfriesshire; and P. G. Palmer, Victoria—equal; 85. J. T. Simson, Edinburgh; 86. G. L. Batra, India, and B. B. Philips, Kent—equal; 88. H. D. MacPhail, Argyllshire; 89. Purser Davies, Wales; D. M. Grant, Wick; and Gordon Wilson, London—equal.

The following gentlemen were unavoidably absent from one examination, but in the others obtained marks as follows:—

SECOND-CLASS HONOURS.—E. F. Nixey, Edinburgh, 66; W. J.

582 *Faculty of Medicine—Class and Prize Honours Lists.*

Duncan, British Guiana, 64; G. G. Wray, Ireland, 63; R. C. Wuppermann, Trinidad, 58; J. A. Hackett, Ireland, 57; J. A. Mitchell, Inverness, 53; John Ware, London, 52; P. J. Garvey, New Zealand, 51; W. S. Watson, London, 50.

The following gentlemen distinguished themselves by acting as Prosectors:—W. G. Coltart, Dumfriesshire; Fred Dillon, Falkirk; J. C. B. Grant, Scotland; J. G. Thomson, West Lothian.

JUNIOR DIVISION.

1. J. K. M. Dickie, Edinburgh; 2. A. G. Hamilton, New Zealand; 3. D. C. Adam, Australia; J. H. Lawry, New Zealand; and J. A. Mortimer, Scotland—equal (*Medallists*); 6. W. B. Grant Sydney, N.S.W.; G. E. King, China; and J. C. MacCullum, Strontian—equal; 9. R. R. Kerr, Winnipeg; John Renwick, Peeblesshire; and Kerr Simpson, Perthshire—equal; 12. A. N. Bruce, Edinburgh; J. A. Campbell, Queensland; E. L. Middleton Scotland; Wm. Ross, Forres; and James Sprent, Tasmania—equal; 17. F. G. Bell, New Zealand; R. C. Harkness, Dumfries; G. R. Inglis, Hebburn; D. C. Macaskill, Dingwall; Wm. MacDonald, Inverness; James Robertson, Shetland; D. M. Ross, Dumfries; T. F. M. Smart, Edinburgh, and James Swan, Falkirk—equal; 26. William L. Burgess, Aberdeen; A. M. Jones, South Wales; C. G. Kurien, Travancore; J. M. Moyes, Ayrshire; James Mackail, Ayrshire; A. J. Macvie, Berwickshire; D. G. Robertson, Melbourne; and W. S. Thomson, Scotland—equal; 34. Wm. Mackie, Kirkcowan; R. C. M'Queen, Eastbourne; and James Oag, Caithness—equal.

SECOND-CLASS HONOURS.—37. W. R. Logan, Kelso; T. H. R. Mathewson, Queensland; W. D. Reid, New Zealand; R. P. Rosser, Surrey; and J. G. Smith, Ireland—equal; 42. John Henderson, Coldstream; W. H. Lowe, Co. Armagh; and G. A. Wyon, London—equal; 45. F. A. Duffield, Birmingham, and A. J. G. Hunter, Linlithgow—equal; 47. T. H. Balfour, Portobello; G. L. Cawkwell, Auckland; and Wm. Dunlop, Co. Antrim—equal; 50. A. W. Gill, Edinburgh; H. F. Lumsden, Edinburgh; Wm. Messer, Auchengray; G. M. Miller, Scotland; J. M. Scott, Dunedin; and R. B. M. Yates, Cheshire—equal; 56. S. P. Proctor, St Lucio; 57. John Malloch, Edinburgh; R. B. MacFie, Rothsay; J. E. Orchard, Manchester; T. W. Smart, Nottingham; and John Stevenson, Ayr—equal; 62. T. E. Harwood, Berkshire; 63. B. N. Burjorjee, Rangoon; W. N. Davies, Manchester; and John Montgomery, Australia—equal; 66. J. D. Dickson, Bucks; 67. J. E. T. Oxley, Trinidad; and S. C. Sen Gupta, Bengal—equal; 69. G. S. Brown, Fife; 70. Harry Lipetz, Edinburgh.

LECTURES ON ANATOMY.

SENIOR DIVISION.

FIRST-CLASS HONOURS.—1. Roy Russell Kerr, Winnipeg (*Medallist*);
2. W. F. Buist, Edinburgh.

SECOND-CLASS HONOURS.—3. John Stevenson, Ayr; 4. M. Gavin,
Stirlingshire; 5. G. E. K. Branch, St Kitts.

JUNIOR DIVISION.

FIRST-CLASS HONOURS.—1. F. G. Bell, New Zealand; 2. C. J. G.
Bourhill, Kimberley; 3. W. J. Feltham, Wellington, N.Z.
(*Medallists*); 4. James C. Brash, Fife, and R. C. Wallace,
Grangemouth—equal; 6. R. M. Allan, Queensland; 7. D. M.
Lyon, Wooler; 8. S. C. Sen Gupta, India; 9. J. Falconer Brown,
Auckland; 10. D. S. Harvey, Orkney; and James Oag, Caith-
ness—equal; 12. John Drummond, New Zealand.

SECOND-CLASS HONOURS.—13. T. R. Sandeman, Fauldhouse; 14.
M. M. Moirson, New Zealand; and J. J. Tough, Accrington—
equal; 16. Peter Allen, Whitburn; L. A. Lewis, New Zealand;
and J. F. Penman, Hawick—equal; 19. W. D. Reid, New
Zealand; and J. R. Stott, Kelso—equal; 21. E. H. Cameron,
Bury St Edmund's; E. R. Carlos, Straits Settlements; A. N.
Rattrie, Edinburgh; and K. F. Sonntag, Glasgow—equal; 25.
E. L. Ferguson, South Africa; John Hepburn, Glasgow; and
William Russell, Leith—equal; 28. J. C. J. Khambatta, India;
S. N. Mukand, India; W. P. Murray, Galashiels; W. V.
Macaskie, Bamburgh; and W. A. Shafto, Forfarshire—equal;
33. W. W. Carlow, Leven; E. C. Lang, Liverpool; and D. J.
M'Laren, Calcutta—equal; 36. K. G. Hearne, Australia; J. S.
P. Knight, Newfoundland; H. J. M'Caw, New Zealand; and
Ab. Philips, Amsterdam—equal; 40. J. M. Mackinnon, Syria;
and H. T. Williams, Suffolk—equal; 42. E. B. Gunson, New
Zealand; and D. T. Richardson, Edinburgh—equal; 44. Oliver
Blacklay, Londonderry; and H. Campbell Todd, Glasgow—
equal; 46. J. P. Litt, Bolton; 47. P. L. Brown, Edinburgh; A.
J. Ewing, Portmahomack; A. C. Heard, London; W. P. C.
Heslop, Blackpool; C. R. Patton; J. M. Scott, New Zealand;
J. W. Senter, Kildrummy; and John Stevenson, Jedburgh—
equal; 55. George Sutherland, Wick; 56. D. C. Monro, New
Zealand; and J. A. Tomb, Co. Derry—equal; 58. Gilbert
Burnett, Wigan; and Thomas M. Sellar, Portobello—equal; 60.
A. A. Morrison, India; A. J. N. Muriset, Edinburgh; P. W.
MacLagan, Berwick-on-Tweed; and Alexander Hood, Leith—
equal; 64. N. F. Mann, Natal; and G. H. Stevenson, Hadding-
ton—equal; 66. W. H. Inch, Cathcart; J. M. Logie, Arbroath;
Alexander Simpson, Banffshire; A. N. Smith, Haddington; and

T. C. Welsh, Penicuik—equal ; 71. J. W. C. Drever, Edinburgh ; V. H. Gordon, New Zealand ; J. M'Caig, Galashiels ; A. H. Porter, Arbroath ; and D. R. Bedell Sivright, Edinburgh—equal.

D. J. CUNNINGHAM, M.D., *Professor.*

DAVID WATERSTON, M.D., *Lecturer.*

PHYSIOLOGY.

SENIOR DIVISION.

FIRST-CLASS HONOURS.—1. Wm. Boyd, Edinburgh ; 2. A. Gibson, Edinburgh, and F. K. te Water, South Africa—equal ; 4. A. G. M. Grant, Lochinver (*Medallists*) ; 5. E. R. D. Maconochie, England ; 6. J. J. Thomson, Scotland ; 7. Kenneth Mackenzie, New Zealand ; and W. M. Macnab, Scotland—equal ; 9. H. M. Anderson, Grantown ; and E. W. Smerdon, Edinburgh—equal ; 11. E. Cansfield, Yorkshire ; John Findlay, Scotland ; J. E. Spence, England ; and R. W. Lang Todd, Edinburgh—equal ; 15. F. W. Waterworth, England ; R. C. Alexander, M.A., Scotland ; D. G. Cooper, Calcutta ; J. C. B. Grant, Scotland ; F. W. Hay, India ; and H. R. Lawrence, Cape Colony—equal.

SECOND-CLASS HONOURS.—21. J. D. Ingram, Melrose ; R. A. Krause, Scotland ; and R. F. D. Macgregor, Scotland—equal ; 24. Fred Dillon, Falkirk ; R. L. Girdwood, Cape Colony ; and R. Verel, Scotland—equal ; 27. F. E. Jardine, Penicuik ; M. A. Lindsay, Canada ; and G. Wilson, London—equal ; 30. W. G. C. Evans, Wales ; J. H. H. Pearson, Scotland ; and John Scott, Scotland—equal ; 33. James Black, Fife ; J. Brander, San Francisco ; J. C. Craig, Davidson's Mains ; A. B. Pearson, New Zealand ; and H. B. Watson, Scotland—equal ; 38. A. R. Bearn, England, and A. G. Ritchie, Edinburgh—equal ; 40. J. E. Brydon, Darlington ; A. L. Dykes, Leamington ; and A. L. Taylor, Oban—equal ; 43. H. S. Cormack, Scotland ; John Crocket, Scotland ; A. J. Girdwood, Cape Colony ; J. J. Jervis, Scotland ; J. W. Karve, India ; Wm. Stobie, Scotland ; and W. O. Walker, Scotland—equal ; 50. A. N. Bruce, Edinburgh ; A. C. Mallace, Scotland ; H. S. Wallace, Prestonpans ; H. L. W. Wemyss, Scotland ; A. White, England ; and G. G. Wray, Ireland—equal ; 56. K. R. K. Iyengar, India ; J. V. Macdonald, India ; R. C. J. Meyer, South Africa ; and W. B. Summers, New Zealand—equal ; 60. H. D. MacPhail, Scotland ; and E. W. Richards, Wales—equal ; 62. J. A. Gordon, Buckie ; S. Rowland, Blackburn ; H. M. Spoor, England ; and F. H. de Villiers, Cape Colony—equal ; 66. E. W. Kirk, Scotland ; C. L. Laurent, Trinidad ; J. J. van Rensburg, Cape Colony ; A. A. Walbrugh, South Africa ; and L. E. Barrington Ward, England—equal ; 71. F. R. Laing, Bamburgh ; 72. T. Gardner, Scotland ; W. P. S.

Johnson, England; and R. D. Laurie, Derby—equal; 75. J. H. Peak, New South Wales; 76. R. Hannah, Scotland; and W. A. Young, Scotland—equal; 78. G. L. Battra, India; J. M. Dalrymple, New Zealand; and J. O. Hamilton, Scotland—equal; 81. W. H. Armistead, England; 82. H. P. Chauvin, Mauritius, and R. W. Haumann, South Africa—equal; 84. C. T. Newton, New Zealand; 85. P. Chalmers, Scotland, and A. P. Watson, Aberdeen—equal; 87. J. A. Mitchell, Scotland; 88. R. S. Browne, Exeter; J. Hewat, Scotland; and A. E. Walker, India—equal.

JUNIOR DIVISION.

FIRST-CLASS HONOURS.—1. J. Argyll Campbell, Brisbane; 2. T. E. Harwood, England (*Medallists*).

SECOND-CLASS HONOURS.—3. J. Sprent, Tasmania; 4. G. E. K. Branch, West Indies; 5. J. Swan, Falkirk, and J. D. Wilson, Tillicoultry—equal; 7. A. E. C. Beausoleil, West Indies; 8. G. A. Ewart, Edinburgh, and W. B. Grant, Sydney, N.S.W.—equal; 10. G. M'K. Miller, Scotland; 11. K. Fraser, Scotland; R. C. Harkness, Dumfries; and K. Simpson, Perthshire—equal; 14. Wm. Burns, Montrose; D. G. Robertson, Melbourne; and R. A. Wilson—equal; 17. F. A. J. Brodziak, South Africa; J. C. MacCallum, Scotland; and A. E. Tait, England—equal; 20. A. G. Hamilton, New Zealand; H. F. Lumsden, Scotland; G. E. G. Mackay, Edinburgh; and Wm. Ross, Forbes—equal; 24. H. F. Hamilton, U.S.A.; G. E. King, China; E. L. Middleton, Scotland; and James Oag, Thurso—equal; 28. R. R. Kerr, Winnipeg, and D. C. Macaskill, Scotland—equal; 30. A. W. Burton, Cape Colony, and J. P. Charles, Cork—equal; 32. G. R. Inglis, Hebburn, and L. M. V. Mitchell, Inverness—equal; 34. A. W. Gill, Edinburgh; J. Malloch, Edinburgh; T. H. R. Matthewson, Queensland; and J. Renwick, Scotland—equal; 38. W. F. Buist, Scotland; J. K. M. Dickie, Scotland; E. S. B. Hamilton, Donegal; and D. M'Phail, Scotland—equal; 42. T. H. Balfour, Portobello; J. Mackail, Scotland; A. J. Macvie, Scotland; and G. H. Sinclair, Derby—equal; 46. F. H. Noronha, India; 47. C. A. Bignold, Arbroath; G. L. Cawkwell, New Zealand; W. Macdonald, Inverness; J. E. T. Oxley, Trinidad; and D. M. Ross, Edinburgh—equal; 52. W. G. Brand, Scotland; J. H. Lawry, New Zealand; C. M. Schaffter, India; and W. S. Thomson, Scotland—equal; 56. T. C. Borthwick, Langholm; James Crocket, Leith; and J. A. Mortimer, Scotland—equal.

CHEMICAL PHYSIOLOGY.

FIRST-CLASS HONOURS.—1. W. A. Young, Scotland; 2. W. Macdonald, Inverness; 3. L. A. Lewis, New Zealand; 4. H. B.

Watson, Scotland, and H. R. Lawrence, Cape Colony (*Medallists.*) The following are arranged in alphabetical order:—W. H. Armistead, England; R. A. Bell, Edinburgh; W. Burns, Montrose; H. Blyth, Edinburgh; W. M. Biden, J. A. Campbell, Queensland; J. T. Carson, Ireland; J. P. Charnock, Bolton; W. G. Coltart, Dumfriesshire; H. Cookson, Eastbourne; F. Dillon, Scotland; G. A. Ewart, Edinburgh; R. L. Girdwood, Cape Colony; R. W. Greatorex, Sheffield; F. W. Hay, India; I. D. Ingram, Melrose; F. Jardine, Penicuik; J. J. Jervis, Scotland; Lindsay, Canada; A. J. Macvie, Scotland; W. M. Macnab, Edinburgh; K. Mackenzie, New Zealand; D. C. Macaskill, Scotland; A. C. M'Killop, J. van Niekerk, Cape Colony; G. S. Norman, Edinburgh; K. Nehra, India; J. E. R. Orchard, Manchester; A. N. Pollock, Edinburgh; F. W. Rayment, Scotland; R. P. Rosser, Surrey; J. Scott, Scotland; H. C. de Souza, Rangoon; D. E. Stodart, Victoria; A. Tait, Scotland; A. L. Taylor, Oban; G. P. Taylor, Ireland; J. G. Thomson, M.A., Scotland; J. J. Thomson, Scotland; H. L. Watson-Wemyss, Scotland; G. Wilson, London.

SECOND-CLASS HONOURS (names arranged alphabetically).—H. M. Anderson, Grantown-on-Spey; R. J. Allisopp, Carlisle; R. C. Alexander, Scotland; O. E. Bulloch, India; H. J. Burke, Ireland; J. Black, Fife; B. S. Brown, Ireland; Baldie, Cape Colony; G. L. Batra, India; H. Burns, Edinburgh; Th. H. Balfour, Portobello; J. E. Bryden, Darlington; B. N. Burjorjee, Rangoon; W. L. Burgess, Aberdeen; J. A. Browne, W. Indies; A. C. Beausoleil, W. Indies; J. Cathcart, Ireland; E. Cansfield, England; L. Cassidy, Ireland; P. Chalmers, Scotland; T. P. Charles, Cork; A. Dumas-Child, Chili; D. G. Couper, Calcutta; J. Crockett, Edinburgh; J. S. Crichton, Linlithgow; J. Crockett, Leith; F. M. Chrystal, Edinburgh; B. Rai Chopra, G. C. Dalton, Cape Colony; J. M. Dalrymple, New Zealand; J. M. Deuchars, Scotland; Th. Dick, Scotland; J. K. M. Dickie, Scotland; F. A. Duffield, England; W. S. C. Evans, Wales; J. M. Elliot, Scotland; K. Fraser, Scotland; W. T. Gardiner, Edinburgh; A. W. Gill, Edinburgh; H. R. B. Gibson, Scotland; F. P. Gibson, Scotland; J. A. Gordon, Banffshire; N. B. Grant, Sidney; A. G. M. Grant, Lochniver; F. W. Greaves, Barbados; C. J. H. Gatchall, Ireland; J. A. Hackett, Ireland; O. Hamilton, Scotland; R. Hannah, Scotland; J. Hewat, Scotland; H. M. Henderson; W. C. Jardine, Gretna; H. E. Johnston, Shrewsbury; R. O. Jollie, Scotland; W. P. S. Johnston, England; R. R. Kerr, Canada; E. W. Kirk, Scotland; R. A. Krause, Scotland; J. C. Lorraine; F. R. Laing, England; J. M. Lawl, India; R. D. Lawrie, Derby; C. L. Laurent, Trinidad; D. C. Lee, England; A. R. Leggate, Chapelton; H. Lipetz, Scotland; V. D. O. Logan, Liverpool; H. F. Lumsden, Scotland; J. S. Levack,

Argyll; E. Mac-nochie, England; D. Macnair, Sunderland; A. S. Mackenzie, Australia; W. M'Kie, Kirkcowan; R. B. Macfie, Rothesay; J. R. M'Gregor, Wales; R. F. D. MacGregor, Scotland; J. M'Fetridge, Co. Antrim; R. MacDonald, Edinburgh; J. O. Macdonald Bombay; R. M'Adoo, Ireland; J. MacCallum, Scotland; T. H. R. Matthewson, Queensland; J. Marshall, England; L. M. V. Mitchell, Inverness; J. A. Mitchell, Scotland; W. M. Menzies, Scotland; J. Montgomery, Australia; J. B. Molony, Dublin; C. C. Murray, South Africa; F. Moore, England; J. A. Mortimer, Scotland; C. F. W. Nixey, Ayr; J. G. Nicholson, Scotland; F. H. Noronha, India; A. C. Norman, England; H. O. O'Neill, Ireland; H. F. Panton, England; R. J. E. Paterson, England; H. Paterson, Edinburgh; J. H. Pearson, Scotland; R. J. Petzsky, Germany; J. H. Peek, N.S. Wales; N. D. Pringle, Wales; A. R. Price, Wales; S. G. P. Proctor, St Lucia; A. B. Pearson, New Zealand; F. E. Raymonds, Yorkshire; J. Renwick, Scotland; J. J. van Rensburg, Cape Colony; E. W. Richards, Wales; W. G. Robertson, Australia; A. Ross, Scotland; D. M. Ross, Edinburgh; P. Roytowski, Cape Town; M. J. da Rocha, Lagos; K. Simpson, Perthshire; W. Skirrow, England; T. F. M. Smart, Edinburgh; W. V. van Someren, Straits Settlements; J. Sprent, Tasmania; J. E. Spence, England; J. W. Stirling, Cape Colony; G. Tate, India; A. E. Tait, England; J. H. de Villiers, Cape Colony; F. W. Waterworth, England; J. Ware, England; E. A. Walker, India; D. W. Woodruff, Wiltshire; G. G. Wray, Ireland; Wuppermann, Trinidad; A. G. Yates, England.

EXPERIMENTAL PHYSIOLOGY.

FIRST-CLASS HONOURS. — 1. Evan O. Bowen, Cardigan; 2. Robert J. Allisopp, Carlisle; 3. Robert L. Girdwood, Cape Colony; 4. F. A. Duffield, England (*Medallists*). The following are arranged in alphabetical order:—A. N. Bruce, Edinburgh; J. A. Campbell, Queensland; H. A. Cookson, Eastbourne; G. C. Dalton, Cape Colony; Kenneth Fraser, Scotland; H. R. B. Gibson, Scotland; W. E. Goss, England; W. B. Grant, Sydney; W. P. S. Johnson, England; J. V. Karve, India; F. R. Laing, Northumberland; H. R. Lawrence, Cape Colony; E. L. Middleton, Scotland; L. U. V. Mitchell, Inverness; J. A. Mortimer, Scotland; A. C. Norman, England; James Oag, Thurso; H. F. Panton, England; F. E. Reynolds, Yorkshire; D. M. Ross, Edinburgh; R. P. Rosser, Surrey; W. Skirrow, England; T. W. Smart, Nottingham; J. E. Spence, England; James Sprent, Tasmania; W. S. Thomson, Scotland; Adam White, England; R. B. M. Yates, Cheshire.

SECOND-CLASS HONOURS (names arranged alphabetically).—J. R. Adam, China ; W. H. Armistead, England ; Wm. Bainbridge, Kelso ; J. E. Brydon, Darlington ; Wm. Burns, Montrose ; George Carr, Scotland ; John Cathcart, Ireland ; J. P. Charles, Cork ; W. F. Christie, China ; W. G. Coltart, Dumfriesshire ; J. S. Crichton, Linlithgow ; James Davie, Edinburgh ; W. N. Davies, Manchester ; P. S. Dias, India ; Wm. Dunlop, Ireland ; G. A. Ewart, Edinburgh ; C. C. Foster, Halifax ; A. W. Gill, Edinburgh ; J. K. Hamilton, Scotland ; B. J. O. Hoare, Lagos ; W. C. Jardine, Dumfriesshire ; J. Langwill, Portobello ; J. H. Lawry, New Zealand ; L. Leslie, Falkirk ; W. R. Logan, Kelso ; H. F. Lumsden, Scotland ; J. C. MacCallum, Scotland ; Wm. Macdonald, Inverness ; A. S. Mackenzie, Australia ; John C. Mackenzie, India ; R. D. M. Macpherson, Scotland ; T. H. R. Mathewson, Queensland ; J. G. Nicholson, Scotland ; J. R. Van Niekerk, Cape Colony ; F. H. Noronha, India ; R. J. E. Paterson, England ; A. N. Pollock, Edinburgh ; S. P. Procter, St Lucia ; B.W.I. ; James Robertson, Shetland ; J. J. M. Shaw, Scotland ; T. F. M. Smart, Edinburgh ; M. Stewart, Skye ; Wm. Stewart, Edinburgh ; George Tate, India ; E. A. Walker, India ; L. E. Barrington Ward, England ; T. Welsh, Edinburgh ; J. D. Wilson, Tillicoultry ; R. C. Wuppermann, Trinidad, B.W.I. ; A. G. Yates, England.

E. A. SCHAFER, LL.D., *Professor.*

MATERIA MEDICA.

FIRST-CLASS HONOURS.—1. John Scott, Scotland ; 2. John Marshall, England ; 3. John Findlay, Scotland ; 4. Andrew L. Dykes, Leamington (*Medallists*) ; 5. Peter Gorrie, Edinburgh ; Kenneth Mackenzie, New Zealand ; and F. W. Waterworth, England—equal ; 8. James C. Craig, Scotland, and R. F. D. Macgregor, Scotland—equal ; 10. R. Charles Alexander, M.A., Scotland ; K. R. K. Iyengar, India ; J. J. Jervis, Scotland ; and J. H. H. Pearson, Scotland—equal.

SECOND-CLASS HONOURS.—14. William Boyd, Edinburgh ; Fred. W. Hay, India ; J. V. Karve, India ; and Adam Tait, Scotland—equal ; 18. A. R. Bearn, England ; E. R. D. Maconochie, England ; E. W. Smerden, England ; and W. B. Sommers, New Zealand—equal ; 22. James Black, Fife ; A. I. Girdwood, Cape Colony ; J. C. B. Grant, Scotland ; David Macnair, Sunderland ; and H. L. W. Wemyss, Scotland—equal ; 27. Ellison Cansfield, Yorkshire ; H. S. Cormack, Scotland ; J. D. Ingram, Melrose ; F. E. Jardine, Penicuik ; F. R. Laing, Northumberland ; J. J. Thomson, Scotland ; and F. H. de Villiers, Cape Colony—equal ; 34. W. M. Macnab, Scotland ; J. E. Spence, England ; and W. Stobie, Scotland—equal ; 37. H. R. Lawrence, Cape Colony ; S.

Rowland, Blackburn; and A. G. Yates, England—equal; 40. J. A. Gordon, Banffshire; A. C. Mallace, Scotland; J. G. van Rensburg, Cape Colony; W. O. Walker, Scotland; H. B. Watson, M.A., Scotland; and G. G. Wray, Ireland—equal; 46. John Brander, San Francisco; C. L. Laurent, Trinidad; and John G. Thomson, M.A., Scotland—equal; 49. A. P. Watson, Aberdeen; 50. H. M. Anderson, Grantown-on-Spey; A. N. Bruce, Edinburgh; John Crockett, Scotland; R. S. Girdwood, Cape Colony; W. B. Grant, New South Wales; and H. E. Johnson, Shrewsbury—equal; 56. R. A. Krause, Scotland; J. V. MacDonald, Bombay; R. C. J. Meyer, South Africa; J. H. Peek, New South Wales; and A. Walbrugh, South Africa—equal; 61. W. Glynn Evans, Wales; Thomas Gardner, Scotland; A. G. M. Grant, Lochinver; Edw. Kirk, Scotland; and H. M. Spoor, England—equal; 66. Henry Blyth, Edinburgh; J. E. Brydon, Darlington; N. G. Thornley, Lancashire; and H. S. Wallace, Prestonpans—equal; 70. H. G. Carter, Devonshire; Peter Chalmers, Scotland; Robert Hannah, Scotland; J. C. Lorraine, England; Ranald MacDonald, Edinburgh; and A. C. Norman, England—equal; 76. Fred. Dillon, Falkirk; E. F. W. Nixey, Ayr; E. S. Norman, Scotland; Adam White, England; and W. A. Young, Scotland—equal; 81. H. D. MacPhail, Scotland; and J. A. Mitchell, Inverness—equal; 83. J. O. Hamilton, Scotland; and J. W. Stirling, Cape Colony—equal; 85. D. G. Cooper, Calcutta, and A. L. Taylor, Argyllshire—equal; 87. A. R. Leggate, Chapelton; E. W. Richards, Aberystwith; and F. M. Stewart, Scotland—equal; 90. B. Score Browne, Ireland, and J. T. Simson, Edinburgh—equal; 92. Purser Davies, North Wales; A. D. MacArthur, New Zealand; and L. E. B. Ward, England—equal; 95. J. Milne Dalrymple, New Zealand; G. S. Sowden, India; and E. A. Strachan, Arbroath—equal; 98. J. M. Lawl, India; and A. G. Ritchie, Edinburgh—equal; 100. G. L. Batra, India; John Cathcart, Ireland; R. W. Hauman, Cape Colony; V. D. O. Logan, Liverpool; A. C. M'Killop, Laggan; and J. G. Nicholson, Scotland—equal; 106. William Ashworth, Halifax; C. C. Murray, Transvaal; D. H. Russell, Scotland; George Tate, India; and E. A. Walker, India—equal.

Isaac van Niekirk, Cape Colony; Alexander Gibson, Edinburgh; Herbert Hutson, Auckland; and Anthony Gowan, Scotland, were absent from one examination on account of illness; at the other two they obtained marks which would have qualified them for Second-Class Honours.

PRACTICAL MATERIA MEDICA.

SECOND-CLASS HONOURS.—1. H. E. Johnson, Shrewsbury; 2. H. G. Carter, Devonshire.

THOMAS R. FRASER, Kt., M.D., *Professor.*

PATHOLOGY.

FIRST-CLASS HONOURS.—1. Robert H. Jamieson, Scotland; 2. D. H. Rai, B.A., India; 3. J. L. Mackay, Scotland (*Medallists*); 4. G. F. Pattie, New Zealand, and David Robertson, Scotland—equal; 6. Thomas Burrell, Scotland; 7. W. J. Porteous, New Zealand; David Thomson, Scotland; and V. F. Usher, New Zealand—equal; 10. R. M. Glover, Scotland; Thomas A. Johnston, and William Thomson, Scotland—equal.

SECOND-CLASS HONOURS.—13. Alexander Bremner, Scotland; David Lees, Scotland; and J. A. Manifold, British Guiana—equal; 16. Albert E. Benec, England; 17. W. W. Thomson, Trinidad; 18. John Fraser, Scotland; John H. Horne, Scotland; and G. J. Luyt, Cape Colony—equal; 21. P. A. Euvrard, S. Africa, and Douglas J. Guthrie, Scotland—equal; 23. J. B. Alexander, Scotland; and G. L. Duncan, Scotland—equal; 25. J. C. Ashton, Wales; J. Godwin Greenfield, Scotland; Rory E. M'Laren, India; and C. A. Thelander, Queensland—equal; 29. A. C. Barker, England, and C. D. Cross, W. Indies—equal; 31. Daniel Johnstone, Scotland, and Alistair T. Mackenzie, Scotland—equal; 33. G. G. Jolly, Scotland; A. N. Robertson, Scotland; and James L. Wilson, Scotland—equal; 36. W. S. Forbes, Scotland; N. H. Prior, S. Australia; and L. H. F. Thatcher, Scotland—equal; 39. Thomas Derrick, Scotland; 40. C. P. Theron, South Africa; 41. C. E. A. Coldicutt, New Zealand; David G. Gray, Ireland; and Schalk W. Joubert, South Africa—equal; 44. A. Fergus Hewat, Scotland; Matthew Heyns, South Africa; and Wilfred J. Simpson, Scotland—equal; 47. W. D. Coghill, Scotland; John B. Gibson, Scotland; John A. Jamieson, Scotland; and W. D. Stoney Johnston, New Zealand—equal; 51. Theodore Craig, England, and Arthur T. Paterson, New Zealand—equal; 53. C. H. Derksen, South Africa, and D. J. Williamson, India—equal; 55. F. W. Michael, Queensland; Alexander P. Mitchell, Scotland; J. Muckart, Scotland; J. J. H. Nelson, England; and A. M. Vlok, South Africa—equal; 60. Charles Robertson, India; 61. Charles B. Baxter, England; A. R. Gunn, Scotland; J. K. A. Hofmeyr, South Africa; and J. C. B. Williams, England—equal; 65. F. J. Davidson, Scotland; J. Grant, Scotland; and Robert Edwards, Scotland—equal; 68. C. H. Corbett, England, and W. P. Ferguson, Scotland—equal; 70. John L. Annan, Scotland; J. A. Brand, Scotland; Mackenzie Douglas, India; John H. Lechler, England; and Angus Macdonald, Scotland—equal; J. P. Berry, England; R. J. Chapman, England; Frederick G. Harper, Scotland; D. J. M'Rae, Australia; G. G. Middleton, Scotland; J. A. Morris, Scotland; J. Newall, Scotland; and F. S. Fleet Smith, Ireland—equal.

Faculty of Medicine—Class Prize and Honours Lists. 591

Absent from one examination through illness—

SECOND-CLASS HONOURS.—E. Dryburgh-Smith, Scotland; W. Murdie, M.A., Scotland; W. A. Scobie, Scotland; J. G. de Kock, South Africa.

SENIORS.

SECOND-CLASS HONOURS.—Oswald E. Powell, India.

PRACTICAL PATHOLOGY.

FIRST-CLASS.—1. A. P. Mitchell, Scotland (*Medallist*); 2. J. L. Annan, Scotland; 3. O. E. Powell, India; 4. W. S. Heron, Ireland.

SECOND-CLASS.—5. L. Lüthgen, Germany; 6. P. M. Carlyle, Scotland; O. F. Miller, South Australia; 8. E. A. Brummitt, South Australia; 9. W. D. S. Johnston, New Zealand; 10. G. H. Lowe, Scotland.

W. S. GREENFIELD, M.D., *Professor*.

MEDICINE.

SENIOR DIVISION.

1. W. O. Sclater, Scotland; 2. John Mathewson, Scotland; John Ritchie, Scotland; and Robert Fraser, Scotland—equal (*Medallists*); 5. J. S. Edwards, India, and F. I. G. Tocher, Scotland—equal; 7. F. Blamire, England, and R. M. Robb, Scotland—equal; 9. James H. Aikman, Scotland; John Alexander, Scotland; and S. S. Dykes, Scotland—equal; 12. A. Todrick, Scotland; 13. R. C. E. Atkinson, New Zealand; 14. D. M. Barcroft, Ireland; Alan M. Dick, England; J. Gilmour, Scotland; Graham Robertson, Scotland; E. D. Simson, Scotland; and W. Torrance Smith, Scotland—equal; 20. J. D. Bowie, Scotland, and John B. MacMorland, Scotland—equal; 22. J. S. Manson, Scotland; 23. T. Graham Brown, Scotland; Robert Duncan, Scotland; A. Stuart M'Tavish, Scotland; R. P. Mathers, Scotland; and James Scott, Scotland—equal; 28. Frank Ross, Scotland, and C. R. Wills, England—equal; 30. G. H. Howe, Ireland, and G. Y. Richards, Scotland—equal; 32. S. G. Corner, Scotland; W. L. Gordon, Cape Colony; and J. Spencer, Daniell, N. Zealand—equal; 34. J. G. Fleming, England, and K. R. Tampi, India—equal; 36. R. Davidson, Scotland; 37. R. G. Cunningham, Scotland; P. Donald, Scotland; and Francis J. Luck, Scotland—equal; 40. Alexander Hunter, Scotland; R. E. Marwick, Scotland; G. M. Stöfberg, South Africa; and W. O. Welply, Ireland—equal; 44. George

592 *Faculty of Medicine—Class Prize and Honours Lists.*

M'Mullan, Ireland; 45. John B. Mackenzie, England; 46. T. Yule Finlay, France; 47. R. M. Liddell, England; 48. D. S. Buist, Scotland; and W. S. J. Robertson, Scotland—equal; 50. D. R. C. M'Lagan, Scotland, and A. P. Wall, Australia—equal.

The following were absent from one examination on account of illness:—

FIRST-CLASS HONOURS.—Mark S. Fraser.

SECOND-CLASS HONOURS.—W. H. Welsh, C. H. Burgess, T. Sebott Murray, R. Fitzherbert Johnson, R. G. A. Bagnall, A. E. Rose, J. W. Brebner, Ernest Banks, and F. O. Inglis.

JUNIOR DIVISION.

FIRST-CLASS HONOURS.—1. David Thomson, Scotland; 2. Adam N. Robertson, Scotland; 3. Charles Robertson, India (*Medallists*); 4. A. Bremner, Scotland, and W. D. Coghill, Scotland—equal; 6. Thomas Burrell, Scotland; Mackenzie Douglas, India; and David Lees, Scotland—equal; 9. D. M. Rai, B.A., India; 10. G. L. Duncan, Scotland; 11. J. Macdiarmid, Spain, and N. H. Prior, Australia—equal; 13. R. Edwards, Scotland, and D. Robertson, Scotland—equal; 15. R. A. Campbell, Scotland; R. J. Chapman, England; R. H. Jamieson, Scotland; 18. A. P. Mitchell, Scotland; L. H. F. Thatcher, Scotland; and W. W. Thomson, W. Indies—equal; 21. J. M. Grant, Scotland; Daniel Johnstone, M.A., Scotland; W. J. Porteous, N. Zealand; and J. L. Wilson, Scotland—equal; 25. C. H. Corbett, England; J. H. Horne, Scotland; T. Maitland Jones, Wales; C. F. Pattie, N. Zealand; and Wm. Thomson, Scotland—equal; 30. P. A. Everard, Cape Colony; J. Fraser, Scotland; T. A. Johnston, Ireland; G. M. Mackay, Scotland; and J. L. Mackay, Scotland—equal.

SECOND-CLASS HONOURS.—35. A. R. Gunn, Scotland; F. G. Harper, Scotland; and R. E. Maclaren, India—equal; 38. A. C. Barker, England, and V. Usher, N. Zealand—equal; 40. J. B. Alexander, Scotland; C. B. Baxter, England; Theodore Craig, England; S. B. Faulkner, England; J. R. Hill, Ireland; S. W. Joubert, Cape Colony; J. H. Lechler, England; T. Lyon, Scotland; W. J. Simpson, Scotland; A. L. Thornley, England; Aung Tun, Burmah—equal; 51. J. N. Lamb, England, and J. J. H. Nelson, England—equal; 53. G. G. Middleton, Scotland; 54. D. J. M'Rae, Australia; and C. A. Thelander, Australia—equal; 56. J. A. Brand, Scotland; J. K. A. Hofmeyr, Cape Colony; and G. G. Jolly, Scotland—equal; 59. P. G. Palmer, Australia; 60. J. C. Ashton, Wales; C. W. Derksen, Cape Colony; and W. D. S. Johnston, N. Zealand—equal; 63. W. P. Ferguson, Scotland; D. G. Gray, Ireland; H. B. Thomson, Australia—equal; 66. J. K. Hamilton, Scotland; M. Heyns, Cape Colony; A. Macdonald, Scotland; I. A. Manifold, British Guiana; and

Faculty of Medicine—Class Prize and Honours Lists. 593

D. J. Williamson, India—equal ; 71. A. F. Hewat, Scotland ; L. G. McCune, Ireland ; G. R. Pillai, India ; and J. C. B. Williams, England—equal ; 75. F. J. Davidson, Scotland ; L. Hughes, Wales ; W. L. Johnston, Scotland ; A. W. Kendall, England ; and R. M. Glover, Scotland—equal ; 80. J. C. Mackenzie, India ; 81. H. B. Hunter, Scotland ; 82. G. J. Luyt, Cape Colony ; F. V. Nauka-Bruce, Gold Coast, W.A. ; C. W. L. Luthgen, Germany ; E. D. Smith, Scotland ; and F. F. S. Smith, Ireland—equal ; 87. J. L. Annan, Scotland ; A. F. Lee, Scotland ; and J. A. Morris, Scotland—equal ; 90. B. P. Campbell, Scotland, and A. M. Vlok, South Africa—equal ; 92. J. T. Simson, Scotland ; and R. W. Wallace, Scotland—equal ; 94. T. Buchan, Scotland ; F. G. Cowan, Australia ; and J. B. Gibson, Scotland—equal ; 97. D. Geddes, Scotland ; and W. S. Heron, Ireland—equal ; 99. J. Lorimer, Scotland.

The following were absent from one examination on account of illness :—

FIRST-CLASS HONOURS.—J. G. de Kock, Wm. Murdie.

SECOND-CLASS HONOURS.—W. A. Scobie ; A. D. Eddington.

J. WYLLIE, LL.D., *Professor.*

MIDWIFERY AND DISEASES OF WOMEN.

FIRST-CLASS HONOURS.—1. A. M. Dick, Cumberland ; 2. Alex. D. Stewart, Blairgowrie ; 3. T. Graham Brown, B.Sc., Scotland, and D. H. Rai, B.A., India—equal ; 5. James S. Edwards, India ; 6. W. O. Sclater, Orkney (*Medallists*) ; 7. Richard G. Cunningham, Galashiels ; 8. J. L. Mackay, Scotland, and C. A. Thelander, Queensland—equal ; 10. Samuel S. Dykes, Dumfries ; T. Arnold Johnston, Ireland ; W. Kelman Macdonald, Scotland ; and G. B. Macgregor, Scotland—equal ; 14. J. N. M'Turk, Bradford ; 15. T. B. Johnston, England ; C. James Milne, Trinidad ; and George Pollock, Scotland—equal ; 18. Frank Blamire, Lancashire ; R. H. Jamieson, Scotland ; David Robertson, Edinburgh ; Æ. Rose, M.A., Blair-Atholl ; and E. D. Simson, Scotland—equal ; 23. John Fraser, Ross-shire ; John H. Horne, Inverness ; David Mann, India ; and Norman Henry Prior, S. Australia—equal ; 27. David D. Dunn, Bathgate ; William Johnston, Macnab, Bathgate ; and D. R. Taylor, Ireland—equal ; 30. John S. Caldwell, Scotland ; John W. Frew, Scotland ; and John Ritchie, Brechin—equal ; 33. Edward Burnet, England ; Daniel Johnstone, M.A., Cromarty ; William Lindsay Locke, Scotland ; A. Stuart Mactavish, Scotland ; J. S. Manson, Scotland ; C. S. Rippon, England ; Adam N. Robertson, Scotland ; and J. N. Turnbull, Scotland—equal ; 41. A. C. Barker, England ; T. H. Dickson, Scotland ; Pollok Donald, Leith ; W. G. Harvey Gowans, Scotland ; W. D. Stoney Johnston, New Zealand ; Francis J.

Luck, Edinburgh; Alister T. Mackenzie, Scotland; Rory E. M'Laren, Bedford; Frank Ross, Scotland; W. Torrance Smith, Scotland; Lewis H. F. Thatcher, Scotland; William Thomson, Scotland; and Archibald F. Wright, Southport—equal.

SECOND-CLASS HONOURS.—54. James Allen Ainscow, England; James A. Currell, Belfast; Robert Fraser, Scotland; and James N. MacLaughlin, Ireland—equal; 58. V. Lloyd Evans, Warwick; John Gilmour, Scotland; Arthur Stuart Holden, Preston; and Claude Pycroft, England—equal; 62. W. O. S. M'Gowan, Ireland, and Z. M. H. Ross, Scotland—equal; 64. K. N. Ghosh, India; David K. Henderson, Dumfries; C. Irvine Milne, Scotland; James Lee Hamilton Paterson, Scotland; Andrew Renwick, Scotland; G. H. Stofberg, S. Africa; Aung Tun, Burmah; and J. Leitch Wilson, Scotland—equal; 72. James A. Brand, Scotland; J. D. C. Duncan, New Zealand; G. F. V. Leary, Ireland; R. P. Mathers, Scotland; R. P. M'Morland, Scotland; G. G. Middleton, Ross-shire; Graham Robertson, Edinburgh; John Macdonald Ross, Scotland; and F. F. S. Smith, Ireland—equal; 81. Kenneth M'Murtrie, England; A. H. MacColl Robertson, Scotland, F. L. Scott, New Zealand; George Stewart, Scotland; and Arthur Lincoln Thornley, England—equal; 86. A. W. Atkinson, England; S. K. Datta, India; Robert Duncan, Scotland; John G. Fleming, England; G. J. Luyt, Cape Colony; John B. M'Morland, Scotland; and J. E. Murray, Scotland—equal; 93. A. F. Babouan, India; J. D. Bowie, Scotland; E. W. Dyer, Natal; Thomas Fraser, Scotland; Andrew R. Gunn, Scotland; George H. Howe, Ireland; John B. Mackenzie, London; and A. G. Visser, Cape Colony—equal; 101. Alexander Ernest Chisholm, Scotland; F. H. Somers Gardner, England; A. J. Bruce Leckie, Scotland; and K. R. Tampi, Travancore—equal; 105. Cecil R. M. Baker, Devonshire; F. V. Nanka-Bruce, Gold Coast; Charles H. Burgess, Ireland; John M. MacPhail, Argyllshire; John J. H. Nelson, Scotland; G. Raman Pillai, India; and John C. B. Williams—equal; 112. C. B. Baxter, Shrewsbury; Theodore Craig, Scotland; Mackenzie Douglas, India; Alexander D. Edington, B.Sc., Scotland; and J. H. Lamb, England—equal; 117. J. A. Taylor, England, and R. Neilson-Wallace, Scotland—equal; 119. P. D. Cameron, New Zealand; R. J. Chapman, England; James Scott, Scotland; and D. J. Williamson, India—equal; 123. Ernest Banks, Dundee; D. Geddis, Scotland; O. M. Gericke, S. Africa; R. E. Marwick, Scotland; Thomas Robertson, Scotland; and Hedley B. Thomson, Victoria—equal; 129. T. Y. Finlay, France; J. B. Gibson, Scotland; G. L. Little, India; Thomas Lyon, Scotland; and Alexander Philip Mitchell, Edinburgh—equal; 134. James Rowland Hill, Ireland; William Jarvis, Scotland; A. W. Kendall, England; Sydney Buxton Legge, Kilconquhar; Leslie H. Skene, Scotland; and E. Drybrough-Smith, Edinburgh—equal; 140. D.

S. Buist, Scotland; William P. Ferguson, Scotland; Thomas J. Hughes, New Zealand; S. E. Malherbe, S. Africa; Walter Gladstone Riley, Yorkshire; and R. H. Walton, New Zealand—equal; 146. M. J. Johnston, Ireland; John C. Mackenzie, India; John Morrison, Scotland; J. S. Peebles, Scotland; L. D. Stephen, Scotland; and W. E. Rees Williams, West Indies—equal; 152. Thomas M'Ewen, Scotland, and Austin Priestman, Bradford—equal; 154. John M'Adam Hill, Ireland; W. L. Johnston, Edinburgh; H. Bruce Low, Sunderland; and Alfred E. Turnbull, East Lothian—equal; 158. Leonard P. Burt, England; St G. M. L. Holman, England; J. T. Simson, Scotland; and William O. Welply, Ireland—equal; 162. G. Harold Lowe, Edinburgh; and Lancelot Gordon M'Cune, Wexford—equal; 164. F. W. M. Cunningham, Edinburgh; Matthew Heyns, Cape Colony; Alaister Fraser Lee, Nairn; and R. L. Scott, England—equal; 168. Charles A. Adair Dighton, Cheltenham, and H. Lancelot Sells, Surrey—equal; 170. H. Mackenzie Cook, Singapore; Frank G. Cowan, S. Australia; John A. Harley, England; C. J. van der Merwe, Cape Colony; and H. G. Sutherland, Scotland—equal.

The following gentlemen were unavoidably absent from one examination:—

FIRST-CLASS HONOURS. — A. MacTier Pirrie, Scotland; A. M. Drennan, Scotland; J. A. Manifold, British Guiana; W. A. Scobie, Scotland; Wilfrid J. Simpson, Bathgate; Mark S. Fraser, Scotland; Eustace Russell, England.

SECOND-CLASS HONOURS.—F. Michael, Queensland; Thomas Derrick; Scotland; W. H. Welsh, Scotland; W. Murlie, Scotland; David M. Barcroft, Ireland; Patrick J. Garvey, New Zealand; Harold C. Simpson, England.

J. HALLIDAY CROOM, Kt., M.D., *Professor.*

SYSTEMATIC SURGERY.

SENIORS.

FIRST-CLASS HONOURS.—1. John Mathewson, Dunfermline; 2. John M'Cutcheon, Lanark (*Medallists*); 3. Syd. T. Champtaloup, New Zealand; 4. S. G. Corner, Scotland; James S. Edwards, India; John Gilmour, Scotland; and John Ritchie, Scotland—equal; 8. Wm. T. A. Jolly, Scotland, and H. Drummond Robb, Dumfries—equal; 10. W. O. Selater, Orkney; 11. John S. Caldwell, Scotland; 12. T. B. Johnston, England; 13. Douglas P. Blair, Scotland; 14. Mark S. Fraser, Scotland; and John S. Manson, Scotland—equal; 16. Richard Davidson, Cornhill-on-Tweed; George Pollock, Scotland; and J. Macdonald Ross, Scotland—equal; 19. Graham Robertson, Scotland; 20. John M'Adam Hill, Strabane, Ireland.

596 *Faculty of Medicine—Class Prize and Honours Lists.*

SECOND-CLASS HONOURS.—21. Frank Blamire, Lancashire ; John B. Mackenzie, London ; and J. H. Stoffberg, Cape Colony—equal ; 24. V. Lloyd Evans, Warwick ; 25. C. R. M. Baker, England ; 26. K. K. Grieve, British Guiana ; 27. E. W. Dyer, Natal ; 28. D. S. Buist, Scotland ; 29. R. P. Mathers, Scotland, and K. R. Tampi, India—equal ; 31. R. E. Marwick, Scotland ; 32. T. Maitland Jones, Wales ; 33. Wm. Jarvis, Scotland ; 34. Thomas J. Hughes, New Zealand ; 35. G. Irvine Milne, England ; 36. C. S. Rippon, England ; 37. A. W. Atkinson, England ; 38. W. L. Johnston, Scotland ; 39. Alfred Arthur, Ireland ; and Wm. C. Whiteside, England—equal.

Frank Ross was present at two examinations, and obtained 86 per cent. of the available marks.

JUNIORS.

FIRST-CLASS HONOURS.—1. J. A. Campbell, Queensland ; 2. G. E. King, China ; 3. J. Dykes Wilson, Tillicoultry (*Medallists*) ; 4. A. G. Hamilton, New Zealand ; J. Malloch, Edinburgh ; E. L. Middleton, Scotland ; and D. M. Ross, Dumfries—equal ; 8. W. L. Burgess, Aberdeen ; 9. G. R. Inglis, Jarrow ; J. C. MacCallum, Scotland ; Wm. Macdonald, Inverness ; J. Mackail, Scotland ; and J. Swan Falkirk—equal ; 14. J. A. Mortimer, Edinburgh, and John Renwick, Scotland—equal ; 16. C. A. Bignold, Arbroath ; A. J. Macvie, Scotland ; and G. E. G. Mackay, Edinburgh—equal ; 19. Wm. Messer, Auchengray ; A. M. Elliott, Coagh ; and R. C. MacQueen, Eastbourne—equal ; 22. H. F. Hamilton, United States, and R. R. Kerr, Winnipeg—equal ; 23. T. H. R. Mathewson, Queensland ; 24. Wm. C. Jardine, Greta ; 25. Alfred W. Burton, Cape Colony, and G. L. Cawkwell, New Zealand—equal ; 26. H. A. V. Loots, South Africa, and James Oag, Thurso—equal ; 28. T. E. Harwood, England, and John M. Moves, Largs—equal.

SECOND-CLASS HONOURS.—30. Thomas H. Balfour, Portobello ; L. M. V. Mitchell, Inverness ; and William Ross, Forres—equal ; 33. S. P. Moore, England, and A. D. M'Kenzie, Natal—equal ; 35. Robert James Allsopp, Carlisle ; J. M. Elliott, Scotland ; C. M. Schaffter, India ; and J. J. M. Shaw, Scotland—equal ; 39. J. K. M. Dickie, Edinburgh ; R. C. Harkness, Dumfries ; and George H. Sinclair, Derby—equal ; 42. Richard P. Rosser, Surrey ; J. Campbell Smith, Edinburgh ; and Wyville S. Thomson, Scotland—equal ; 45. C. G. Kurien, Travancore, and John Montgomery, Australia—equal ; 47. William T. Graham, Scotland, and Samuel P. P. Proctor, St Lucia—equal ; 49. Will R. Logan, Kelso, and J. H. Lawry, New Zealand—equal ; 51. Alexander W. Gill, Edinburgh ; Harry Foote Lumsden, Scotland ; and W. S. Robertson, New Zealand—equal ; 54. B. N. Burjorjee, Rangoon,

and T. F. M. Smart, Edinburgh—equal : 56. Thomas C. Borthwick, Langholm, and J. E. T. Oxley, Trinidad—equal : 58. R. W. Davies, England ; D. C. Macaskill, Scotland ; Alexander Scott M'Kenzie, Australia ; and W. Stevenson, Ireland—equal ; D. C. Adam, Australia ; David Aiken, Ireland : Leonard Leslie, Falkirk ; and John P. Whetter, England—equal ; 66. William G. Coltart, Dumfriesshire, and James Robertson, Shetland—equal ; 68. D. Glen Robertson, Australia ; 69. James Crocket, Leith, and Harry Lipetz, Scotland—equal ; 71. H. W. Teague, England ; John M. Scott Dunedin ; A. E. C. Beausoleil, West Indies ; William G. Brand, Scotland ; H. A. Cookson, Eastbourne ; and E. Bernard Hoffman, Cape Colony—equal : 77. John H. Jones, Scotland ; 78. John P. Charnock, Bolton ; A. H. Elmslie, New Zealand ; Patrick M'Cool, Ireland ; William Stewart, Edinburgh ; A. E. Tait England ; and S. Williams, Barbados—equal ; 84. George J. Carr, Scotland ; J. H. Carter Trinidad ; Percy Chisholm, New Zealand ; and Kerr Simpson Perthshire—equal ; 88. F. A. J. Broadziak, South Africa ; T. E. Guthrie, New Zealand ; and William H. Lowe, Ireland—equal ; 91. V. H. Gordon, New Zealand ; G. Mackenzie Miller, Scotland ; and William Morrison, Banffshire—equal ; 94. James William Cray Drever, Edinburgh ; John Graham Smyth, Ireland ; and G. A. Thompson, Ireland—equal ; 97. O. S. Bulloch, India ; W. Norman Davies, Manchester ; R. W. Greatorex, Sheffield ; Charles Gerard Marais, South Africa ; Alexander Norman Pollock, Edinburgh ; and Malcolm Stewart, Portree—equal ; 103. Ronald A. Bell, Edinburgh, and John Wilson, Armadale—equal.

PRACTICAL EXAMINATION.

SENIORS.

Syd. T. Champaloup (*Medallist*).

HONOURS.—John S. Caldwell, S. G. Corner, James S. Edwards, John Gilmour, T. B. Johnston, Wm. T. A. Jolly, John S. Manson, R. P. Matthers, John Mathewson, John M'Cutcheon, John Ritchie, Frank Ross, W. O. Sclater.

GEORGE CHIENE, M.B., C.M., *Demonstrator*.

JUNIORS.

G. L. Cawkwell, New Zealand (*Medallist*).

HONOURS.—T. H. Balfour, C. A. Bignold, B. N. Burjorjee, J. A. Campbell, J. K. M. Dickie, A. M. Elliott, A. G. Hamilton, H. F. Hamilton, R. C. Harkness, G. R. Inglis, G. E. King, J. H. Lawry, J. C. MacCallum, Wm. Macdonald, James Mackail, R. C. MacQueen, John Malloch. T. H. R. Mathewson. Wm. Messer, E. L. Middleton, John Montgomery, John A. Mortimer, S. P. Moore, John Renwick, D. M. Ross, J. Dykes Wilson.

598 *Faculty of Medicine—Class Prize and Honours Lists.*

Absent from one examination :—

SECOND-CLASS HONOURS. —H. G. Feltham, England ; Wm. M'Kie, Ireland ; James Sprent Tasmania ; Fergus Armstrong, Wales ; Tom Welsh, Edinburgh.

Absent from two of the examinations :—

SECOND-CLASS HONOURS. —Thomas C. Borthwick, Donald M'Phail.

ROBERT CHAMBERS, M.B., Ch.B., *Demonstrator.*

JOHN CHIENE, C.B., M.D., LL.D., *Professor.*

TROPICAL HYGIENE.

FIRST-CLASS HONOURS.—1. J. P. M'Gowan, M.A., M.B., (*Medallist*) ; 2. W. M. Scott, M.B.

SECOND-CLASS HONOURS.—3. D. M. Mathieson, M.B. ; 4. H. M. Sauzier, M.B. ; 5. Alex. Edington, M.D. ; 6. E. F. Valenzia, M.B. ; 7. A. G. H. Smart ; 8. H. Jamieson, M.D. ; 9. E. R. Grieverson.

C. HUNTER STEWART, M.B., D.Sc., *Professor.*

DISEASES OF THE EYE.

FIRST-CLASS HONOURS.—1. Annie D. Urquhart, Scotland, and Douglas J. Guthrie, Scotland—equal (*Medallists*) ; 3. Ethel Wiseman India, and Charles P. Theron, South Africa—equal ; 5. David Thomson, Scotland, and Thomas Burrell, Scotland—equal ; 7. Frank Blamire, England ; 8. Charles Robertson, India, and Olive T. Leonard, India—equal ; 10. John H. Horne, Inverness ; 11. Davidina R. J. Davidson, Scotland ; Alice M. Burn, New Zealand ; William Core, Scotland ; and K. N. Ghosh, India—equal.

SECOND-CLASS HONOURS.—15. Mackenzie Douglas, India, and J. K. A. Hofmeyr, Cape Colony—equal ; 17. Edith G. Pycroft, Cape Colony, and Elizabeth H. Brook, Scotland—equal ; 19. William Murdie, Scotland, and Daniel Johnstone, Scotland—equal ; 21. Janet Marr Murray, Scotland ; 22. Ada E. Miller, Scotland ; 23. Roderick A. Campbell, Scotland ; 24. Claude Coldicutt, New Zealand ; 25. Mary Brown, Scotland ; 26. Rory E. M'Laren, India ; 27. Rose Hudson, Scotland, and Wm. A. Jolly, Scotland—equal ; 29. J. Leitch Wilson, Scotland ; Arthur L. Thornley, England ; and J. G. de Kock, South Africa—equal ; 32. J. J. Marr, Scotland ; 33. Agnes E. Porter, Scotland ; G. G. Middleton, Scotland ; and P. A. Euvrard, Cape Colony—equal ; 36. G. Raman Pillai, India ; 37. Aung Tun, Burma ; 38. R. J. Chapman, England ; 39. John B. Alexander, Scotland, and T. Yule Finlay, France—equal ; 41. Wilfrid J. Simpson, Scotland ; 42. A. F. Babonan, India, and David Robertson, Scotland—equal.

GEORGE MACKAY, M.D., F.R.C.S.E., *Lecturer.*

DISEASES OF TROPICAL CLIMATES.

FIRST-CLASS HONOURS.—1. Alexander Edington, M.D., and Major Owen St John Moses, I.M.S.—equal (*Medallists*); 3. D. Morley Mathieson, M.A., M.B.; 4. James Sutherland Edwards; 5. Major Bryson, I.M.S.; 6. William H. Hill, M.D.; 7. Charles Chaves, M.B., and W. M. P. Henderson—equal; 9. K. R. Tampi; 10. J. S. Manson; 11. Robert M. Wishart; 12. P. Lornie; 13. J. A. MacLeod, Arthur Dangerfield, M.B., and Hailiday Gibson Sutherland—equal; 16. W. O. Sclater; 17. E. W. Dyer; 18. John Hunter, M.B.; 19. A. M. Dick; 20. A. J. S. Walwyn; 21. Graham Robertson and John Macdonald—equal; 23. Harley P. Milligan.

SECOND-CLASS HONOURS.—24. J. Theodore Young, M.B.; 25. Hugh Jamieson, M.D., and T. H. Dickson—equal.

ANDREW DAVIDSON, M.D., *Lecturer.*

DISEASES OF THE LARYNX, EAR, AND NOSE.

FIRST-CLASS HONOURS.—1. Chas. F. Pattie and Margaret M. Miller—equal (*Prizes*); 3. John M'Cutcheon; 4. Marion Wilson; 5. Alice M. Thompson and Letitia Fairfield—equal; 7. Katherine B. A. Nelson; 8. George L. Duncan; 9. W. M. P. Henderson and Mary G. Finlayson—equal.

SECOND-CLASS HONOURS.—11. Alex. P. Mitchell and Dorothy W. Stevenson—equal; 13. T. Lyon and Thomas M'Ewen—equal; 15. Mary F. Bignold and N. H. Prior—equal; 17. W. D. Coghill, M. Brown, and P. J. Dear—equal; 20. Janet M. Murray; 21. Paula Maier; 22. S. B. Faulkner; 23. A. E. Turnbull; 24. S. W. Joubert and J. K. A. Hofmeyer—equal; 26. Mary M. Turpie.

R. M'KENZIE JOHNSTON, M.D., *Lecturer.*

DISEASES OF THE SKIN.

WINTER SESSION, 1905.

FIRST-CLASS HONOURS.—1. James A. Brand (*Priceman*); 2. Arthur T. Paterson; 3. W. D. Coghill; 4. George L. Duncan; 5. Thomas Burrell; 6. Aeneas Rose, M.A.; 7. John B. Alexander; 8. John Fraser; 9. John A. Jamieson.

SECOND-CLASS HONOURS.—10. R. H. Walton; 11. Graham Robertson; 12. Harold C. Simpson; 13. Douglas P. Blair; 14. Fleet F. S. Smith; 15. Ian K. A. Hofmeyer; 16. Henry Gallaway Johnston; 17. C. H. Corbett; 18. John Macdonald; 19. William W. Thomson.

600 *Faculty of Music—Class Prize and Honours Lists.*

SPRING SESSION, 1906.

FIRST-CLASS HONOURS.—1. R. C. E. Atkinson (*Prizeman*).

SECOND-CLASS HONOURS.—2. C. W. L. Lüthgen ; 3. A. W. Kendall ;
4. D. S. Buist ; 5. J. K. Hamilton.

W. ALLAN JAMIESON, M.D., *Lecturer*.

L. J. GRANT, *Secretary of Senatus*.

Faculty of Music.

HARMONY.

HONOURS CERTIFICATE.—1. Anita Catherine Howden (*Medallist*).

HONOURABLE MENTION.—2. Isabel M. Dodds ; 3. Una Duncan
Adamson ; 4. May Luke ; 5. Jessie Muirhead ; 6. Margaret
Southern.

JUNIOR ADVANCED HARMONY.

HONOURS CERTIFICATE.—1. Margery Cunningham (*Medallist*) ; 2.
Isabel A. Balsillie ; 3. Evelyn T. Roberts.

HONOURABLE MENTION.—4. Alice Muriel Hanson ; 5. Lucy Vernon
Cornish ; 6. William Armstrong.

SENIOR ADVANCED HARMONY.

HONOURS CERTIFICATE.—1. Dorothea Maitland (*Medallist*) ; 2.
Helen R. Pullon ; 3. Harriet E. Simpson.

JUNIOR COUNTERPOINT.

HONOURS CERTIFICATE.—1. Margery Cunningham (*Medallist*) ; 2.
Evelyn T. Roberts.

HONOURABLE MENTION.—3. Isabel A. Balsillie ; 4. William J. Smith.

SENIOR COUNTERPOINT.

HONOURS CERTIFICATE.—1. Harriet E. Simpson.

SENIOR COUNTERPOINT AND COMPOSITION.

HONOURS CERTIFICATE.—1. William Hugh Ewen (*Medallist*); 2. Dorothea Maitland; 3. Helen R. Pullon.

JUNIOR MUSICAL FORM.

HONOURS CERTIFICATE.—1. Margery Cunningham (*Medallist*); 2. Evelyn T. Roberts; 3. Harriet E. Simpson.

HONOURABLE MENTION.—4. Isabel A. Balsillie; 5. William J. Smith; 6. Francis M. Duff.

SENIOR MUSICAL FORM.

HONOURS CERTIFICATE.—1. Helen R. Pullon (*Medallist*); 2. Dorothea Maitland.

HISTORY OF MUSIC.

HONOURS CERTIFICATE.—1. Margery Cunningham (*Medallist*); 2. Evelyn T. Roberts; 3. Helen R. Pullon; 4. Dorothy Salvesen; 5. William Hugh Ewen.

HONOURABLE MENTION.—6. William J. Smith; 7. Lucy Vernon Cornish; 8. Isabel A. Balsillie.

MUSICAL ANALYSIS.

HONOURS CERTIFICATE.—1. Helen R. Pullon; 2. William Hugh Ewen; 3. Dorothea Maitland; 4. William Armstrong.

HONOURABLE MENTION.—5. Evelyn T. Roberts; 6. Christina M. Watson; 7. William J. Smith.

FR. NIECKS, Mus.D., *Professor*.

L. J. GRANT, *Secretary of Senatus*.

Benefactors of the University.

THE Revenues of the University were formerly scanty and very inadequate for the encouragement of the higher education and learning in the Scottish metropolis. Scholarships and Fellowships were unknown prior to those recently instituted, and the emoluments of several of the Chairs are still greatly inferior to those in many other Universities.

During the early period of its history, the University received a considerable number of small donations and bequests, chiefly for Bursaries. Notices of these will be found in the preceding pages, in the Histories of the University by Bower, Dalzel, and Grant, and in the Report of the Universities' Commissioners in 1830. A list of early Benefactors to the Library is given at p. 46.

By Act 1 and 2 Vict., cap. 55, the various sums of money mortified in the hands of the Town Council for the support of the University, amounting to £13,119, were discharged, and an annual payment of £2500 (since reduced to £2170), secured in terms of "The Edinburgh Corporation Stock Act, 1894," over the Common Good of the City, etc.

During last century, especially since 1860, many donations and bequests have been made by Benefactors of the University for the foundation of Fellowships, Scholarships, and Bursaries, for the endowment of Chairs, and for the erection of the New Buildings, including the "M'Ewan Hall," the "John Usher Institute of Public Health," and the "Hughes-Bennett Physiological Laboratory." The new buildings for the "Engineering Department" at High School Yards are now complete, and in full occupation by the Department. A complete description of these new buildings is given in Appendix I. (see p. 45). The construction of the buildings for the Natural Philosophy Department on the site adjoining the new Engineering buildings is now making rapid progress, and it is hoped that these buildings

will be in partial occupation at any rate during the Winter Session 1906-7. The University, however, in many respects, is still very inadequately endowed, and much requires to be done that it may not fall behind the requirements of the age. Intending Benefactors are respectfully reminded that additional CHAIRS, LECTURESHIPS, LABORATORY EQUIPMENTS, LIBRARY ENDOWMENTS, FELLOWSHIPS, SCHOLARSHIPS, BURSARIES, and FUNDS for RESEARCH, for GENERAL MAINTENANCE, and for BUILDINGS, are urgently required.

As regards the Library (which now contains over 225,000 printed volumes, and about 7500 MSS., many of which are of great value) the most pressing wants are :—(a) A fire-proof room in which to store the rare and valuable books of the fifteenth and sixteenth centuries, and the MSS. which are often consulted by scholars and authors from all parts. (b) A fund for the purchase of scientific and literary journals and of larger works of reference. A liberal contribution towards meeting this clamant want has now been made by the Carnegie Trust, but there is still ample room for the liberality of generous donors in this direction. (c) The Carnegie Trust has also granted a considerable sum for constructional alterations, and the introduction of a new system of steel shelving in part of the Library, but a large part of the Library still remains to be dealt with in a similar way in order to provide additional space and shelving for the accommodation of books. (d) For the last four years the recataloguing of the Library has been carried on by a special staff of cataloguers, a grant having been made for this purpose by the Senatus Academicus from the residue of the Sir William Fraser bequest. This work is now approaching completion, but no funds are as yet available for the printing of the catalogue. An excellent opportunity thus offers itself to generous donors for permanently associating their names with this important work.

The names of Benefactors, if so desired, may be connected with the Benefactions they bestow. Such Benefactions may simply be conveyed to the "University of Edinburgh." All necessary information will be gladly afforded by the Principal,

the Secretary of the University Court, the Secretary of Senatus, the Deans of the Faculties, or the University Librarian.

The following list includes the chief Benefactors of the two last and present centuries, together with the purposes of their benefactions¹ :—

(A)—*Founders of Bursaries, &c.*

- Rev. J. STUART, South Carolina—Founder of the Stuart Bursaries.
 Sir JOHN M'PHERSON, late Governor-General of India—Founder of the M'Pherson Bursary (now the Macpherson Scholarship).
 Rev. R. BLAIR, D.D.—Founder of the Blair Bursaries in Arts and Theology.
 J. STEWART HEPBURN, Esq. of Colquhalzie—Founder of three Theological Bursaries.
 JOHN JAMIESON, Esq., Edinburgh—Founder of the Jamieson Bursary.
 GEORGE PARKER BIDDER, Esq.—Founder of the Jardine Bursary.
 WILLIAM LENNIE, Esq., Teacher, Edinburgh—Founder of the Lennie Bursaries.
 JOHN BRUCE, Esq., Trinity Crescent, Edinburgh—Founder of the Bruce Bursaries.
 M'DIARMID TESTIMONIAL TRUSTEES—Founders of the M'Diarmid Bursary.
 W. PATRICK, Esq. of Roughwood—Founder of the Patrick Bursaries.
 JAMES GRAY, Esq. of Baadpark—Founder of the Gray Scholarship.
 EDINBURGH CAITHNESS ASSOCIATION—Founders of a Bursary.
 EDINBURGH GALLOWAY ASSOCIATION—Founders of a Bursary.
 Ayrshire Club—Founders of two Bursaries.
 PEEBLESSHIRE SOCIETY—Founders of a Bursary.
 Dr ABERCROMBIE, Cape Town—Founder of a Bursary.
 Mrs MARGT. TYNDALL BRUCE of Falkland—Founder of Bursaries.
 TRUSTEES OF FRANCIS J. SCOTT, Esq. of Mount Lodge, Portobello—Founders of two Bursaries.
 Miss HANNAH HARRISON of Lasswade—Founder of a Bursary.
 Miss MARY ETTLES of Inverness—Founder of three Bursaries, and the "Ettles Medical Scholarship."

¹ An Association exists for the purpose of keeping the Public informed regarding the existing insufficiency of the Endowments of the University of Edinburgh, collecting funds, and appropriating them to the further extension and better endowment of the University, and to other purposes tending to promote the efficiency of the University as a seat of learning.

The Chancellor of the University is President of this Association; the Hon. Secretary is Sir Alexander Christison, Bart.; and the Secretary is Robert G. Scott, Esq., W.S., 6 Hill Street, Edinburgh.

TRUSTEES OF THE Rev. JOHN SPENCE, Minister of Kinnaird—Founders of two Bursaries.

JOHN ROBERTSON SIBBALD, M.D.—Founder of Five Bursaries.

ARGYLLSHIRE, BUTE, and WESTERN ISLES ASSOCIATIONS—Founders of a Bursary.

SUBSCRIBERS TO MEMORIAL TO ROBERT STEWART, Esq. of Ardvorlich—Founders of a Bursary.

THE EDINBURGH BORDER COUNTIES ASSOCIATION—Founders of two Bursaries.

THE RIGHT HON. THOMAS, EARL OF ZETLAND—Founder of the Orkney and Zetland Bursary.

TRUSTEES OF JAMES GRIERSON, OF OGSCASTLE—Founders of the Grierson Bursaries.

TRUSTEES OF Dr MACKIE, Leith—Founders of Mackie Bursaries.

TRUSTEES OF J. CAIRNS, Esq., W.S.—Founders of the Cairns Bursary.

TRUSTEES OF Mrs JOHNSTONE of Harthope, Moffat—Founders of the Johnstone of Harthope Bursary.

TRUSTEES OF JAMES LAMBERT, Esq., Alloa—Founders of the Lambert Bursary.

ROBERT MARSHALL, Esq., Merchant, Edinburgh—Founder of the Marshall Bursary.

JOHN FOTHRINGHAM, Esq. of Heathpool—Founder of the Fotheringham and Forrest Bursaries.

Right Hon. LAWRENCE, EARL OF ZETLAND—Founder of the Zetland Bursaries.

ANDREW THOMSON, M.D.—Founder of Eight Bursaries in Arts, Divinity, Law, and Medicine.

EDINBURGH EAST LOTHIAN ASSOCIATION—Founders of a Bursary in Arts.

EDINBURGH UNIVERSITY ENDOWMENT ASSOCIATION—Donors of Bursaries in Arts.—Discontinued.

Mrs ISABELLA WEBSTER—Founder of the Webster Bursaries in Divinity.

Dr JOHN AITKEN CARLYLE—Founder of two Bursaries in the Faculty of Medicine.

Mrs ELIZABETH MACKENZIE—Founder of the Mackenzie Bursaries.

TRUSTEES OF Mrs BARBARA MACAULAY OR MYLNE—Founders of a Bursary in Divinity.

TRUSTEES OF Rev. JOHN PATTERSON—Founders of a Bursary in Anglo-Saxon Grammar and Literature.

THOMAS CARLYLE—Founder of the John Welsh Bursaries in Mathematics and Classics.

Mrs HELEN ANDERSON or RONALD, Liverpool—Founder of the Anderson Bursaries.

SUBSCRIBERS TO TESTIMONIAL TO W. MACKINNON, Esq. of Balinakill—Founders of the Mackinnon Bursaries.

TRUSTEES OF JAMES WHITELAW—Founders of Whitelaw Bursaries.

TRUSTEES OF WILLIAM RENTON, Esq.—Founders of a Bursary in Divinity, and one in Arts.

Miss ISABELLA MACDOUGALL, Perth—Founder of the John and Isabella Macdougall Bursaries.

ROBERT HUNTER, Esq., Dalhousie Chesters—Founder of two Bursaries in Divinity.

ROBERT PILLANS NEWTON of Castlandhill and Drumcross—Founder of the Newton Bursaries.

PETER CAMPBELL MANN of Seaham Harbour, Durham—Founder of the Mann Bursaries.

CHARLES JARDINE of Thorlieshope—Founder of Bursaries in Arts.

ISAAC ANDERSON HENRY—Founder of the Anderson Henry Prize.

Mrs H. E. MORISON—Founder of the Mackenzie (Stornoway) Bursary.

DANIEL MACLAURIN, Esq.—Founder of the Maclaurin Bursary.

THOMAS LOCKERBY, Esq.—Founder of the Lockerby Bursary.

GEORGE COUSIN, Esq.—Founder of the "Baillie Cousin Bursary."

THOMAS HILL PATTISON, M.D.—Founder of the Pattison Prize in Clinical Surgery.

Major ROBERT ORR CRICHTON of Lynn—Founder of the Crichton Bursaries in the Faculty of Medicine.

Rev. THOMAS MAULE—Founder of Maule's Bursaries.

Mrs A. B. R. MILNER FOTHERGILL of Hayton Quarry—Founder of the Milner Fothergill Gold Medal in Therapeutics.

DONALD FRASER, M.D., London, and ASSOCIATION for the BETTER ENDOWMENT of the UNIVERSITY—Founders of the Donald Fraser Bursary in Experimental Physics.

SUBSCRIBERS TO MEMORIAL TO PROFESSOR KELLAND—Founders of the Kelland Memorial Prize.

GOVERNORS OF GEORGE HERIOT'S TRUST—Founders of Bursaries in Arts, Science, and Medicine.

Dr THOMAS CHARLES HOPE, late Professor of Chemistry—Founder of the Hope Prize (now two Hope Scholarships).

Mrs MARGARET TYNDALL BRUCE—Founder of Prize in Logic Class.

DANIEL ELLIS, Esq.—Founder of "The Ellis Prize" in the Faculty of Medicine.

JOHN EDWARD BAXTER, Esq., of Craigtay, bequeathed the reversion of his Estate for the purpose of founding Scholarships, etc.

- Dr NEIL ARNOTT gave £1000 for Promoting the Study of Experimental Physics among the Medical Students of the University.
- Rev. HEW SCOTT of Wester Anstruther—Founder of the Scott and Dunbar Prize in Greek.
- JOHN WILSON, Esq. of South Bantaskine—Founder of the Robert Wilson Prize in Chemistry.
- Mrs E. WIGHTMAN—Founder of the Wightman Prize in Clinical Medicine.
- JAMES GEORGE BEANEY, Esq.—Founder of the Beaney Prize.
- ANDREW ROBERTSON CAMERON, M.D., of Richmond, New South Wales—Founder of the Cameron Prize.
- JOHN M'COSH, M.D.—Founder of the M'Cosh Graduate's Bursary in Medicine.
- Miss JANE MARIA M'MASTER, Edinburgh—Founder of the M'Cosh Medical Bursary.
- Miss JANET C. BROWN, Edinburgh, £30 a year for the purpose of providing bursaries in the Faculty of Divinity.
- Miss MARTHA BROWN—Founder of "The Lanfine Bursaries" in the Faculty of Arts.
- Sir ARTHUR CONAN DOYLE, M.D.—Founder of Prize in the Faculty of Medicine.
- BEQUEST by the late Mr JOHN REID, C.E., and Mrs JESSIE REID, his Spouse, of £1500, for establishing a Bursary for the encouragement of the study and practice of Civil Engineering, to be called the "Reid and Thomson Bursary."

(B)—Founders of Scholarships or Fellowships.

- THE PITT CLUB—Founders of two Scholarships, one in Arts and one in Divinity.
- JAMES MACKENZIE, Esq., W.S.—Founder of Mackenzie Scholarship.
- ALEX. HENRY RHIND, Esq. of Sibster—Founder of the Rhind Scholarships and Bursaries.
- Sir DAVID BAXTER, Bart., of Kilmaron—Founder of the Baxter Scholarships in Arts and Science.
- Sir WILLIAM FETTES, Bart.—Founder of the Fettes Exhibitions.
- JOHN MAXTON, Esq.—Founder of a Divinity Scholarship.
- Miss ELIZABETH DRUMMOND—Founder of the Drummond Scholarship.
- Mrs MARGARET TYNDALL BRUCE—Founder of three Scholarships.
- JAMES GUTHRIE, Esq., of London—Founder of the Guthrie Fellowship.
- SUBSCRIBERS TO HAMILTON MEMORIAL FUND, and ASSOCIATION for the BETTER ENDOWMENT of the UNIVERSITY—Founders of a Philosophical Fellowship.

ASSOCIATION FOR THE BETTER ENDOWMENT OF THE UNIVERSITY—
Founders of a Classical Fellowship.

TRUSTEES OF Dr J. H. GILCHRIST—Founders of three Scholarships for
Natives of India.

JOHN ROBERTSON SIBBALD, M.D.—Founder of a Medical Scholarship.
Miss MARY BAXTER, of Balgavies—Founder of Scholarships.

SUBSCRIBERS TO FALCONER MEMORIAL FUND—Founders of a Fellow-
ship.

SUBSCRIBERS TO SYME FELLOWSHIP—Founders of a Fellowship in the
Medical Faculty.

SUBSCRIBERS TO GOODSIR MEMORIAL FUND—Founders of a Fellow-
ship in the Medical Faculty.

Rev. JOSEPH TAYLOR GOODSIR bequeathed £900 to Supplement the
Goodsir Memorial Fund.

ROBERT A. GOODSIR, M.D., Edinburgh, bequeathed residue of his
Estate, amounting to about £2000, to supplement the Goodsir
Memorial Fund.

TRUSTEES OF Mrs CHARLES MACLAREN—Founders of the Charles
Maclaren Scholarship.

SUBSCRIBERS TO GLOVER MEMORIAL FUND and ASSOCIATION FOR
THE BETTER ENDOWMENT OF THE UNIVERSITY—Founders of
the "Glover Divinity Scholarship."

Mrs M. ARNOTT, Widow of NEIL ARNOTT, M.D.—Founder of the
"Neil Arnott Scholarship for Experimental Physics."

JOHN EDWARD BAXTER, Esq. of Craigtay, bequeathed the residue of
his estate, out of which three Scholarships named after him have
been founded by the University Endowment Association.

The Rev. DAVID AITKEN, D.D., formerly Minister of Minto—Founder
of the Aitken Scholarship.

DAVID SKIRVING, Esq., of 13 Westbourne Park, London—Founder
of the Skirving Scholarship for Moral Philosophy.

ANDREW THOMSON, M.D.—Founder of a Scholarship.

Misses KIDD of Woodhouse—Founders of the David Kidd Divinity
Scholarship.

Dr R. H. GUNNING of Rio Janeiro—Founder of ten Prizes in the Faculty
of Divinity, and of eleven Prizes in the Faculty of Medicine.

Dr T. LECKIE—Founder of the Leckie-Mactier Scholarship.

SUBSCRIBERS TO MEMORIAL OF Dr COLDSTREAM—Founders of the
Coldstream Memorial Medical Missionary Scholarship.

Mrs JAMES BUCHANAN—Founder of a Scholarship in Midwifery and
Gynecology.

- Dr ANDREW VANS DUNLOP, II.E.I.C.—Founder of the Vans Dunlop Scholarships in Arts, Science, Law, and Medicine.
- Misses STEVEN of Bellahouston—Founders of a Scholarship in Agriculture.
- SUBSCRIBERS TO MEMORIAL OF Dr CHARLES MURCHISON—Founders of the “Charles Murchison Scholarship.”
- Mrs MARY ANN SCOTT or THOMSON of Hawick—Founder of the James Scott Scholarship in Midwifery.
- ROBERT MACKAY-SMITH, Esq., Edinburgh—Founder of the Mackay-Smith Scholarships in Natural Philosophy and Chemistry.
- Dr FREDERICK JOHN MOUAT—Founder of the Mouat Scholarship in Practice of Physic.
- Dr JOHN STARK, Auchtermuchty—Founder of the Stark Scholarship in Clinical Medicine.
- Mrs KIDD—Founder of “James Fairbairn’s Scholarship.”
- Miss JANE JEFFREY—Founder of the Jeffrey Scholarships.
- Dr A. H. FREELAND BARBOUR—Founder of the Freeland Barbour Fellowship.
- Miss MATILDA JOHNSTON COBB—Founder of the Cobb Divinity Scholarship.
- Mrs ELIZABETH MACKIE or TREVELYAN—Founder of Scholarships in Engineering and Mechanical and Useful Arts.
- Mrs MUIRHEAD—Founder of Prize in Civil Law Class.
- SUBSCRIBERS TO LORIMER MEMORIAL FUND and ASSOCIATION FOR THE BETTER ENDOWMENT OF THE UNIVERSITY—Founders of the Lorimer Travelling Scholarship.
- GEORGE SCOTT, Esq., Peckham, London—Founder of the Scott Travelling Scholarship, for purposes of Study or Research.
- GOVERNORS OF GEORGE HERIOT’S TRUST—Founders of Fellowships in Arts and Pure Science.
- Mrs E. CROZIER or NICHOL, Edinburgh—Founder of Scholarship in Natural Philosophy.
- TRUSTEES OF THE EARL OF MORAY—Founders of “The Earl of Moray’s Endowment of £20,000” for Original Research.
- Mrs JANE ALLAN, widow of the late John Allan, M.D., H.E.I.C.S.—Founder of Fellowship in the Faculty of Medicine.
- J. M. HOULDSWORTH, Esq. of Ayr, and other Trustees—Founders of “The Houldsworth Scholarship for Research in Pharmacology.”

Miss CHRISTIAN THOW of Craigmore, near Dundee—Founder of Scholarships in the Faculty of Law.

A number of Queen's Scholarships, each about £30 a year, for students proceeding to graduation in Arts or Science who intend to become schoolmasters, given by the educational authorities of the Church of Scotland and the Free Church.

THE BLACKIE CELTIC PRIZE, being interest of £650 subscribed by Highlanders to commemorate the late Professor John Stuart Blackie's services in promoting the study of the Celtic Language.

WOMEN SUBSCRIBERS, and £132 by Mr Samuel Gilfillan, London, for the foundation of a prize for Women Students of Medicine in memory of the late Dorothy Gilfillan, M.B., Ch.B.

Sir THOMAS GIBSON CARMICHAEL, Bart.—£100 a year for two years for Research in the Zoological Department.

THE TRUSTEES of the late Mr WILLIAM M'CUNN, of Landour, Largs, have intimated the institution of four "M'Cunn Medical Research Scholarships," each of £100 a year, open to graduates in medicine of the University.

BEQUEST by the late Misses AYTOUN of a sum of £2500, for the purpose of endowing a Fellowship in English to bear—in commemoration of their brother, the late Professor Edmonstoun Aytoun—the name of the "Edmonstoun Aytoun Fellowship."

BEQUEST by the late Miss ANNABELLA KIRKPATRICK of a sum of over £1800 for the Foundation of a Fellowship or Scholarship.

DONATION of £210 for the purposes of Original Research, by Mr EDWARD GEORGE CURRIE, of The Deanery, Battle, Sussex.

(C)—*Founders of New Chairs, Contributors of Endowments to existing Chairs, or of Money, &c., to the University Funds, Library, &c.*

General JOHN REID—Founder of the Theory of Music Chair, who also bequeathed money to the Funds of the University.

General Sir JOSEPH STRATON—Bequest to the University Funds.

Sir JAMES ERSKINE, of Torry, bequeathed Pictures, Bronzes, and Marbles to the University. [Lent to the National Gallery.]

Sir WILLIAM PULTENEY—Founder of the Chair of Agriculture.

Dr WILLIAM THOMSON—Founder of the Thomsonian Lectureship in Mineralogy.

Sir GEORGE BALLINGALL, Professor of Military Surgery—Presented his Library to the University.

Dr W. P. ALISON, Professor of the Theory of Medicine—Presented his Medical Books to the University.

JOHN MUIR, D.C.L., LL.D., Edinburgh—Founder of Sanskrit Chair.

Sir DAVID BAXTER, Bart., of Kilmaron—Founder of the Chair of Engineering.

DAVID COWAN, Esq., of Auchendrane, bequeathed £1000 to the Association for Promoting the Endowment of the University.

Sir RODERICK IMPEY MURCHISON gave £6000 for the Endowment of the Chair of Geology.

J. O. HALLIWELL PHILLIPPS, Esq., presented his valuable Shakespearean Collection to the University.

ROBERT COX, Esq., W.S., bequeathed £5000 for general purposes and for completing the Dome of the University buildings.

Signor THEOPHILE BUCHER bequeathed his Music Library to the Chair of Music, and reversion of estate to found Scholarships in Music.

THE MERCHANT COMPANY OF EDINBURGH, and other Governors of George Watson's and Daniel Stewart's Hospitals—Founders of the Chair of Political Economy and Commercial Law.

Mr HENRY G. and Miss FRANCES WATSON—Donors of Fund for the "Watson-Gordon Professorship of Fine Art."

Sir D. BAXTER, of Kilmaron, bequeathed £20,000 for the Extension of the University buildings, and £20,000 for the Further Endowment of the Chairs in the Faculty of Arts.

Miss BROWN, of Lanfine, presented a portion of the Minerals and Fossils which belonged to her father—to be called "The Waterhaugh Collection."

THE BELL TRUSTEES, who gave £6000 for the Endowment of the Bell Chair of the Theory, History, and Practice of Education. (Endowment increased in 1886 by £4500, added by Educational Endowments Commission.)

JOHN B. BAILLIE, who transferred the collection of Arabic MSS., formed by Lieut.-Col. Baillie of Leys, to the University Library.

Dr DAVID LAING, bequeathed his MSS. to the University Library.

Mrs HODGSON, presented Works on Political Economy, collected by her late husband, Prof. Hodgson, to the University Library.

Dr VANS DUNLOP bequeathed £3000 to the General Fund of the University.

SUBSCRIBERS to the CELTIC CHAIR, by whom a fund of £14,000 was raised for the endowment of this Chair by the exertions of Professor Blackie.

Miss MARY DICK bequeathed a moiety of the residue of her estate to accumulate for twenty-one years from 1883, or till it shall amount to £10,000, for the Foundation of a Chair of Comparative or Surgical Anatomy, as considered most to be required.

BEQUEST by the late ROBERT IRVINE, Esq., F.C.S., of Royston, Granton, for the ultimate foundation of a Professorship of Bacteriology.

SUBSCRIBERS of £500 and upwards to the "UNIVERSITY OF EDINBURGH BUILDINGS EXTENSION SCHEME":—¹

Sir David Baxter of Kilmaron, Bart., by bequest, less			
Legacy Duty, - - - - -	£18,000	0	0
William M'Ewan, Esq., LL.D., M.P., - - - - -	6,500	0	0
The Duke of Buccleuch and Queensberry, K.G., D.C.L., LL.D., - - - - -	4,000	0	0
The Magistrates and Council of the City of Edinburgh,	3,100	0	0
The Right Hon. the Earl of Moray, - - - - -	2,525	0	0
The Right Hon. The Earl of Rosebery, LL.D., - - - - -	2,400	0	0
The Royal College of Physicians of Edinburgh, - - - - -	1,575	0	0
The Right Hon. the Earl of Stair, K.T., - - - - -	1,500	0	0
Messrs John Jeffrey & Co., - - - - -	1,500	0	0
J. Fulton, Esq., Clinton Road, - - - - -	1,150	0	0
Charles Andrew Aitchison, Esq., Queen Street, - - - - -	1,050	0	0
The Most Hon. the Marquis of Bute, - - - - -	1,000	0	0
Andrew Carnegie, Esq., New York and Pittsburg, - - - - -	1,000	0	0
The Right Hon. the Earl of Derby, - - - - -	1,000	0	0
J. R. Findlay, Esq., Rothesay Terrace, - - - - -	1,000	0	0
The Right Hon. The Earl of Home, - - - - -	1,000	0	0
The Right Hon. The Earl of Hopetoun, - - - - -	1,000	0	0
Sir William Stirling-Maxwell of Pollok and Keir, Bart., LL.D., M.P., - - - - -	1,000	0	0
The Rt. Hon. The Earl of Wemyss and March, LL.D.,	1,000	0	0
The Right Hon. the Lord Justice-General Inglis, D.C.L., LL.D., Chancellor of the University, - - - - -	800	0	0
Messrs Thomas Nelson & Sons, - - - - -	800	0	0
Henry George Watson, Esq., C.A., - - - - -	800	0	0
The Most Hon. the Marquis of Lothian, - - - - -	750	0	0
The Society of Writers to the Signet, - - - - -	750	0	0
J. Lindsay Bennet, Esq., Taviton Street, London, - - - - -	710	0	0
James Cowan, Esq., Royal Terrace, - - - - -	700	0	0
Robert Richardson, Esq., Bruntsfield Place, - - - - -	700	0	0
C. Morrison, Esq. of Islay, - - - - -	700	0	0
Charles Jenner, Esq., - - - - -	650	0	0
David Anderson, Esq. of Moredun, - - - - -	600	0	0
James H. Renton, Esq., Park Lane, London, - - - - -	600	0	0
Professor Sir W. Turner, LL.D., D.C.L., - - - - -	600	0	0

His Grace The Duke of Devonshire, - - -	£500	0	0
Charles Cowan, Esq., of Logan House, - - -	500	0	0
T. R. Buchanan, Esq., M.P., - - -	500	0	0
P. D. Swan, Esq., Provost of Kirkcaldy, - - -	500	0	0
Lady Campbell of Garscube, - - -	500	0	0
The late William Cumming, Esq., M.D., Ainslie Place, - - -	500	0	0
The late James T. Gibson-Craig, Esq., York Place, - - -	500	0	0
Professor Crum Brown, - - -	500	0	0
The Goldsmiths' Company of London, - - -	500	0	0
Sir W. Mackinnon, Esq., of Balinakill and Loup, - - -	500	0	0
Graham Menzies, Esq. of Hallyburton, - - -	500	0	0
John Graham Menzies, Esq., Grosvenor Crescent, - - -	500	0	0
W. D. Menzies, Esq., Grosvenor Crescent, - - -	500	0	0
Miss Trail, Aberlady, - - -	500	0	0
Messrs William Younger & Co., Abbey Brewery, - - -	500	0	0
The Right Hon. The Earl of Zetland, - - -	500	0	0
Anonymous, - - -	500	0	0

The total amount of subscriptions received was £149,048, 2s. 5d.

EARL OF ROSEBURY provided £50 a year for Lectureship on Philosophy of Natural History for five years.

WILLIAM F. CUMMING, M.D., presented a Drinking Fountain, erected in the Quadrangle of the Old Buildings, in 1886.

JOHN HOPE, W.S., presented a Drinking Fountain to the University New Buildings, 1886.

ALEX. GIBSON, Esq., Advocate, bequeathed £2000, free of legacy-duty, to the General Fund of the University.

WILLIAM M'EWAN, Esq., LL.D., M.P., donor of the M'Ewan Hall, at a cost (including balance paid for Site and Grand Organ) of about £115,000.

ADAM GIFFORD, Senator of the College of Justice, bequeathed £25,000 for the foundation of a Lectureship for promoting, advancing, teaching, and diffusing the study of Natural Theology in the widest sense of that term.

JOHN FULTON, Esq., bequeathed £3000 to General University Fund, the greater part of which has been devoted to the equipment of the new Engineering Laboratory, called the "Fulton Laboratory."

Miss ELIZABETH STEVEN, of Bellahouston—Founder of the Steven Lectureship in connection with the Chair of Agriculture.

ALEXANDER LOW BRUCE, Esq., Edinburgh, £5000	} Founders of "the Bruce and John Usher Chair of Public Health" in the Faculties of Medicine and Science.
Mrs A. L. BRUCE, £500	
Miss A. BLACKWOOD BRUCE, £500	
Other members of the Bruce family, £163	
Sir JOHN USHER, of Norton, £8000	
WILLIAM YOUNGER & Co., £1000	

BENEFACTION by Sir JOHN USHER of Norton of upwards of £21,000, for the building and equipment of a Laboratory and Class-Rooms in connection with Chair of Public Health.

Sir WILLIAM FRASER, K.C.B., LL.D. —

1. For foundation of Chair or Professorship to be called "The Sir William Fraser Professorship of Ancient History and Palæography," £25,000.
2. For Library purposes, £10,000.
3. Half of Residue of Estate for general purposes, but especially for Foundation of Bursaries, &c., in connection with History, or for promoting Historical Research, expected to amount to about £15,000.

JAMES RITCHIE, Esq., bequeathed £3000 for University purposes.

HIGHLAND AND AGRICULTURAL SOCIETY, £1071, 6s. 7d., and ROYAL SCOTTISH ARBORICULTURAL SOCIETY, £584, 3s. 10d., — for further Endowment of a Chair or Lectureship in Forestry.

£50 from C. JUNGHEHN, Rangoon, towards foundation of Chair of Forestry.

The Hon. JOHN MACGREGOR, Burmah, £500 towards endowment of Chair of Forestry.

The EDINBURGH SCHOOL OF RURAL ECONOMY, £130 towards Lectureship of Agricultural Chemistry, for year 1901-2.

Dr PHILIP NELSON, Annan, bequeathed £84, 12s. 3d. to University Building Fund.

Sir WILLIAM OVEREND PRIESTLEY, M.P., £1000 towards cost of redecorating the Library Hall.

THOMAS M'KIE, £100 towards improving Students' Reading Room.

Hon. BOUVERIE PRIMROSE bequeathed £100 for Original Research and £100 for Library.

The SUBSCRIBERS, for founding a Classical Library in memory of Professors Sellar and Goodhart.

The SUBSCRIBERS, for founding a Departmental Library in Philosophy.

Miss CARRICK MOORE presented to the Geological Class Library, a set of the publications of the Palæontographical Society, the property of her late father, John Carrick Moore, Esq., F.R.S., F.G.S., of Corsewall, Wigtownshire.

Miss ELEANOR A. ORMEROD, F.E.S., LL.D., £5000 and Collection of Entomological Diagrams prepared by her late sister.

Professor GWATKIN, D.D., Cambridge, mounted specimens of Molluscan Radulæ for microscope.

Professor KIRKPATRICK, founder of the History Library.

Professor C. P. TIELE—Donation of £100 to History Library.

Rev. Dr JOHN WALKER, formerly Professor of Natural History in the University, bequeathed £991 for University Library and College Museum.

Physiology diagrams and microscopical specimens, books on physiology, histology, anatomy, &c., bequeathed by the late Professor RUTHERFORD.

Mrs M. A. SHAW, Ventnor, of £100, to be designated "The Shaw Gift."

Mrs HARRIET G. COX, Gorgie, £2800 for the building of "The Hughes Bennett Laboratory for Physiological Research."

ÆNEAS J. G. MACKAY, K.C., LL.D., £2000, the interest to be applied to the Historical Department.

Messrs R. and J. GARTON, Newton-le-Willows, Lancashire, endowed the "Garton Lectures," on Colonial and Indian Agriculture, with a sum of £150 a year.

Miss JOANNA S. S. GIBSON, Edinburgh, £500 for the formation of a Library of German literature.

SUBSCRIBERS TO MEMORIAL to the late Mr ANDREW J. RAMSAY for a Library for the use of Students of the Class of Astronomy, and for Prizes.

Gift of £2,000,000 by Mr ANDREW CARNEGIE, of New York, and of Skibo, in the County of Sutherland, to the four Scottish Universities, the interest to be applied in part to the payment of the class fees of students of Scottish birth or extraction, or who have given two years' attendance after the age of fourteen at Scottish schools; and partly to the better equipment of the Universities.

Books from the family of the late Professor TAIT and from the family of the late Mr A. B. SHAND, used as Reference Library by Natural Philosophy Laboratory students.

Gift by Principal Sir WILLIAM TURNER, K.C.B., &c., of a large collection of anatomical diagrams, drawings, skeletons, and preparations, several microscopes, and other instruments, and a number of books.

Gift by Sir DONALD CURRIE, G.C.M.G., of Garth and Glenlyon, of £25,000, of which the interest of £20,000 is to be applied to the remuneration of Lecturers such as the authorities of the University may from time to time appoint. The University Court, being desirous of permanently associating his name with the fund, have resolved to designate it "The Sir Donald Currie Lectureship Endowment Fund."

Other Contributions to the Extension Scheme have also been intimated, to the extent of £10,000.

Gifts by Sir ARCHIBALD GEIKIE of various collections of books, for the Geological Department, as well as for the general University Library.

DONATIONS DURING 1905-1906.

Donation to the Tait Memorial Fund by Sir JAMES DEWAR of 100 guineas, being the amount of the Gunning Victoria Jubilee Prize, awarded to him by the Royal Society of Edinburgh.

Grant by the Highland and Agricultural Society of £50 to the Forestry Department of the University.

Gift by Professor CRUM BROWN of over 2000 specimens of pure chemical substances.

Further gifts by the Rev. Professor GWATKIN, Cambridge, of Molluscan Radulæ for the microscope.

Donations from Emeritus Professor FLINT, of books for behoof of the Department of Ecclesiastical History.

Donation from Mr W. A. TAIT, B.Sc., C.E., of £21 for the purchase of books for the Engineering Departmental Library.

Donation from Mr J. G. BARTHOLOMEW of a copy of the "Survey Atlas of England and Wales" to the Senatus Academicus.

Donation from Mrs HODGSON, widow of the late Professor Hodgson, of a copy of Vincent Novello's "Madrigalian Studies" (with autograph dedications), to the Music Class-room Library.

Donors to Library, 1905-1906.

Admiralty Office, London.
 American Historical Association.
 American Surgical Association.
 Mr Alexander Anderson.
 Mr P. J. Anderson, LL.D.
 Archæological Survey of India.
 Asiatic Society of Bengal.
 Dr John Beard.
 Dr John Beddoe.
 Bergens Museum Trustees.
 Prince Edouard de Block.
 Mr W. F. Brainard.
 British Museum Trustees.
 Brooklyn Institute of Arts and Sciences.
 Dr James Burgess.
 Bryn Mawr College.
 Carlotta Bozzolo ved. Ceradini.
 Carnegie Institution of Washington.
 Emeritus-Professor A. H. Charteris.
 City and Guilds of London Institute.
 Conseil Permanent International pour l'Exploration de la Mer.
 Messrs W. & R. Chambers.
 Curator, Royal Botanic Gardens, Calcutta.
 Mr W. J. Chapman.
 College of Preceptors, London.
 Dalhousie College.
 Rev. L. M. Dalton.
 Professor Marcus Dods.
 Edinburgh and East of Scotland College of Agriculture.
 Executors of the late Heber R. Bishop.
 Engineering Standards Committee.
 Dr G. M. Edebohls.
 Earthquake Investigation Committee, Tokyo.
 Mr Henry Faulds.
 Field Columbian Museum Trustees.
 Emeritus-Professor R. Flint.
 Geological Survey of Canada.

Mr Frederick J. Gant.
 Greenwich Observatory.
 Mr Victor Geisler, Berlin.
 Professor James Geikie.
 Sir Archibald Geikie.
 Glasgow and West of Scotland Training College.
 Rev. Hughes O. Gibbons.
 M. Emilio Goeldi.
 Mr T. F. Husband.
 Heriot-Watt College, Edinburgh.
 Mr G. Francis Hill.
 Mr John Hair.
 Hereford Herd Book Society.
 Hunterian Museum Trustees.
 Professor W. A. Herdman.
 Mr Augustus Hemonuay.
 Mr James Harnell.
 India Office, London.
 Iowa Geological Survey.
 Professor S. Macaulay Jackson.
 Professor A. R. S. Kennedy.
 Professor Kirkpatrick.
 Library of Congress, Washington.
 Messrs Longmans & Co.
 Lords Commissioners of H.M. Treasury.
 Emeritus-Professor Laurie.
 Mr W. L. Mathieson.
 Mr George Macdonald.
 Professor D. Mancini.
 Mr James Mackenzie.
 Sir Colin Scott-Moncrieff.
 Dr J. C. M'Vail.
 Mr J. J. MacLehose.
 Mr Charles K. Mills.
 Middlesex Hospital, London.
 Musée Guimet, Paris.
 Museum of Comparative Zoology, Harvard.
 Dr T. G. Nasmyth.
 Messrs T. Nelson & Sons.
 Messrs Novello & Co.
 North Sea Fisheries Investigation Committee.

- | | |
|------------------------------------|-------------------------------|
| Colonel H. J. Olcott. | University of Durham. |
| Peace Society, London. | — Erlangen. |
| Mr Young J. Pentland. | — Glasgow. |
| Polled Cattle Society, Banff. | — Greifswald. |
| Philatelic Society, London. | — Harvard. |
| Dr David Patrick. | — Heidelberg. |
| Dr J. C. Renton. | — Illinois. |
| Mr W. F. Robertson | — Imperial, St Petersburg. |
| John Rylands Library, Manchester. | — Innsbruck. |
| Royal College of Physicians. | — Jena. |
| Royal College of Surgeons of | — Johns Hopkins. |
| England. | — Kiel. |
| Royal Irish Academy, Dublin. | — Leeds. |
| Royal Scottish Academy. | — Leland Stanford Junior. |
| Professor G. Saintsbury. | — Leyden. |
| St Thomas's Hospital, London. | — Liverpool. |
| Scottish National Antarctic Ex- | — London. |
| pedition. | — Madras. |
| Mr Philip P. Schuyler. | — Manitoba. |
| Mr W. Stuart-Law. | — M'Gill. |
| Shorthorn Society of Great Britain | — Michigan. |
| and Ireland. | — Montpelier. |
| Society of Accountants and | — New Zealand. |
| Auditors. | — Northwestern, Evanston. |
| Mr E. J. Scott. | — Otago. |
| Professor Simpson. | — Padova. |
| Mr A. H. Smith. | — Pavia. |
| Smithsonian Institution, Washing- | — Paraguay. |
| ton. | — Queen's College and Univer- |
| Trinity College of Music, London. | sity, Kingston. |
| Universidad Nacional de Córdoba. | — Sheffield. |
| Université Royale Hongroise de | — Strassburg. |
| Budapest. | — Sydney. |
| University of Aberdeen. | — Tokyo. |
| — Adelaide. | — Toronto. |
| — Bristol. | — Turin. |
| — Calcutta. | — Utrecht. |
| — California. | — Victoria. |
| — Cape of Good Hope. | — Vienna. |
| — Chicago. | — Wales. |
| — Coimbra. | — Würzburg. |
| — Columbia. | — Yale. |
| — Cornell. | Mr Adair Welcker. |
| — Dundee. | Dr John T. Wilson. |

ABSTRACT OF THE ACCOUNTS OF The University of Edinburgh

FOR THE YEAR ENDING 31ST AUGUST 1905.

CAPITAL.

I. GENERAL UNIVERSITY FUND :—

Funds at beginning of year	£72,850 13 7
Add Surplus of Revenue over Expenditure	984 14 8
	£73,835 8 3

II. FUNDS PARTLY OR WHOLLY UNAPPROPRIATED TO PARTICULAR PURPOSES :—

Funds at beginning of year	£137,299 12 6
Add Surplus of Revenue over Expenditure	125 1 5
	£137,424 13 11

Deduct Payments from the Building Fund—

Contribution to the University Improvement and Expansion Scheme towards cost of the old Infirmary	£2,000 0 0
Legal and other Expenses of the purchase	321 17 8
Contribution to the General University Fund towards cost of erecting a Shelter for Servitors at the New Buildings	200 0 0
	2,521 17 8

134,902 16 3

III. FUNDS APPROPRIATED TO PARTICULAR PURPOSES OTHER THAN BURSARIES, SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES :—

Funds at beginning of year	£173,935 12 4
Added during year—	
Surplus on Pension Fund	£544 9 4
Less Excess of Expenditure on other Funds	159 5 2
	385 4 2

174,320 16 6

Carry forward, £383,059 1 0

Brought forward, £383,059 1 0

IV. FUNDS FOR BURSARIES, SCHOLARSHIPS, FELLOWSHIPS,
AND PRIZES :—

Funds at beginning of year	£357,449 3 4	
Added during year—		
Surplus of Revenue over Expenditure . .	1,554 2 0	
		359,003 5 4

V. ESKBANK FEU-DUTIES—CASUALTY FUND.

Fund at beginning of year	£485 14 3	
Added during the year :—		
Surplus of Revenue over Expenditure . .	172 17 9	
		658 12 0

Total Funds at 31st August 1905 £742,720 18 4

NOTE.—The above Funds are stated at their book value or cost price. The market value of the Funds at the 31st August 1905 exceeded the book value by £8434, 11s. 1d. No notice is taken above of the University Buildings, New Medical School, Music Class Room, M'Ewan Hall, Usher Institute of Public Health, Engineering Laboratory, and Principal's Official Residence, or of the Library, Museums, and Furnishings of the University, as the values of these are not known.

REVENUE AND EXPENDITURE.

I. GENERAL UNIVERSITY FUND.

Revenue.

		<i>Revenue.</i>
1. Matriculation Fees		£3,150 0 0
2. Entrance Fees from Students not matriculated		20 5 0
3. Fees in lieu of Matriculation Fees		129 3 0
4. Preliminary Examination Fees		619 5 6
5. Graduation Fees :—		
(1) Arts	£1,292 17 0	
(2) Science	459 17 6	
(3) Medicine	6,684 9 0	
(4) Divinity	47 15 6	
(5) Law	105 16 6	
(6) Music	24 3 0	
		8,614 18 6
6. Fees of Registration of Members of General Council		370 0 0
7. Fees of Access to Library		44 18 0
Carry forward,		£12,948 10 0

		Revenue.
	Brought forward,	£12,948 10 0
8. Income from Accumulations of the General University Fund		2,365 11 11
9. Income from Funds bequeathed for general purposes:—		
(1) Straton Fund	£430 12 10	
(2) Cox Fund	68 3 11	
(3) Gibson Fund	63 12 0	
(4) Ormerod Fund	145 10 10	
		707 19 7
10. Income from Funds partly appropriated to particular purposes, the Surplus Income of which falls to general purposes:—		
(1) Annuity under the Edinburgh Corporation Stock Act 1894	£592 8 3	
(2) Reid Fund	539 5 0	
		1,131 13 3
11. Income from Funds specifically appropriated by Deed of Endowment to Class Expenses:—		
(1) Fund for Chair of Engineering	£22 16 0	
(2) Fund for Chair of Geology	44 15 4	
(3) Fund for Chair of Fine Art	40 2 10	
(4) Fund for Chair of Commercial and Political Economy	74 0 0	
(5) Gilchrist Fund for purchase of apparatus	78 7 6	
		260 1 8
12. Income from Parliamentary Grant		25,870 0 0
13. Income from Endowment of Chairs in the Faculty of Divinity		248 1 2
14. Surplus on Fee Fund		8,008 6 0
15. Royalty from Publisher of University Calendar		100 0 0
16. Fees from Societies for Use of Rooms, &c.		58 17 0
	Revenue carried to Abstract,	£51,699 0 7

Expenditure.

Expenditure.

1. Expenses of Administration :—

(1) University Court	£908 7 4
(2) Senatus Academicus	2,116 6 2
(3) General Council	251 15 3
(4) Curators of Patronage	15 15 0
(5) Editing University Calendar	50 0 0
(6) Students' Representative Council	60 0 0
(7) Factor	730 6 0
(8) Law Agents	65 12 2
(9) Auditor	25 19 0

 £4,224 0 11

2. Salaries to Principal and Professors :—

(1) Salary to Principal	£87 11 2
(2) Salaries to Professors in accordance with Section VII., Sub-section 1 (b), of Ordinance No. 27	4,365 0 0
(3) Salaries to Professors in accordance with Section VII., Sub-section 2, of said Ordinance	1,500 0 0
(4) Salaries to Professors in accordance with Sections IX. and XI., Sub- section 2 (d), of said Ordinance	2,562 0 0
(5) Salaries to Professors in the Faculty of Divinity in accordance with Sec- tion XI., Sub-section 2 (e), of said Ordinance	448 1 2
(6) Salary of Professorship instituted sub- sequent to said Ordinance	103 15 0

 9,066 7 4

 Carry forward, £13,290 8 3

	Brought forward,	Expenditure.
3. Provision for Pensions to Retired Principal and Professors .		£13,290 8 3
4. Upkeep of Buildings :—		5,639 6 8
(1) Buildings and Furnishings	£6,795 10 7	
(2) Lighting, Heating, and Cleaning	1,643 9 7	
(3) Public Burdens and Feu-Duties	583 12 10	
(4) Insurance	227 1 2	
		9,249 14 2
5. Equipment and Upkeep of Library		2,383 9 1
6. Equipment and Upkeep of Museums		395 10 10
7. Equipment and Upkeep of Laboratories, including Class Expenses		3,780 14 3
8. Lecturers and Assistants		11,486 6 0
9. Examiners		2,690 7 4
10. Service		1,252 0 10
11. Class Medals and Prizes		334 1 4
12. Graduation Expenses		167 7 2
13. Incidental Expenses and Grants		45 0 0
		<u>£50,714 5 11</u>
	Expenditure carried to Abstract	

II.—FEE FUND ACCOUNT AND SALARIES ACCOUNT :—

	Revenue.	Expenditure.
1. Fee Fund Account	£29,679 4 11	£29,679 4 11
2. Salaries Account	9,592 16 9	9,592 16 9
3. Fees not falling into Fee Fund collected for Professors and Lecturers	486 13 6	486 13 6
Carried to Abstract	<u>£39,758 15 2</u>	<u>£39,758 15 2</u>

III.—FUNDS PARTLY OR WHOLLY UNAPPROPRIATED TO PARTICULAR PURPOSES :—

	Revenue.	Expenditure.
1. Annuity under the Edinburgh Corporation Stock Act, 1894	£1,658 0 0	£1,658 0 0
2. Reid Fund	1,534 5 0	1,534 5 0
3. Reid Professorship of Music, Assistants and Expenses Fund	550 19 11	630 16 0
4. Straton Fund	430 12 10	430 12 10
5. Cox Fund	68 3 11	68 3 11
6. Gibson Fund	63 12 0	63 12 0
7. Ormerod Fund	145 10 10	145 10 10
8. University Building Fund	204 17 6	2,521 17 8
Carried to Abstract	<u>£4,656 2 0</u>	<u>£7,052 18 3</u>

IV.—FUNDS APPROPRIATED TO PARTICULAR PURPOSES OTHER THAN BURSARIES, SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES :—

	Revenue.	Expenditure.
1. Baxter Salary Fund	£573 12 4	£592 14 6
2. Bell Chair of Education	354 4 8	354 4 8
3. Celtic Chair	493 10 4	493 10 4
4. Lectureship in Procedure and Evidence	100 0 0	100 0 0
5. Chair of Commercial and Political Economy	524 0 0	524 0 0
6. Chair of Engineering, viz. :—		
(1) Fund for Professor's Salary	190 0 0	190 0 0
(2) Fund for Expenses of the Chair	22 16 0	22 16 0
7. Engineering and Physical Laboratories	270 4 10	270 4 10
8. Lectureship on Forestry	236 16 0	236 16 0
9. Gilchrist Fund	78 7 6	78 7 6
10. Gifford Lectureship	739 16 3	730 12 4
11. Muir Chair of Sanskrit	212 8 6	212 8 6
12. Murchison Chair of Geology, viz. :—		
(1) Fund for Professor's Salary	177 17 10	177 17 10
(2) Fund for Expenses of the Chair	35 11 4	35 11 4
13. M'Ewan Hall	590 15 3	590 15 3
14. Moray Fund for Research	617 10 0	525 15 0
15. Mackay Fund	66 10 0	66 10 0
16. Nichol Foundation	47 11 0	47 11 0
17. Pulteney Chair of Agriculture	38 11 10	38 11 10
18. Chair of Public Health	471 8 10	471 8 10
19. Usher Institute of Public Health	470 13 3	470 13 3
20. Pension Fund	5,689 0 0	5,154 10 8
21. Steven Lectureship on Agriculture	92 12 6	92 12 6
22. Thomson Funds, viz. :—		
(1) Fund for Salary of Professor of Natural History	36 16 2	36 16 2
(2) Fund for Expenses of Chair of Geology	9 4 0	9 4 0
23. Watson Gordon Professorship of Fine Art., viz. :—		
(1) Fund for Professor's Salary	419 2 2	419 2 2
(2) Fund for Expenses of the Chair	40 2 10	40 2 10
24. University Athletic Field Fund	13 17 10	13 17 10
25. Library Fund	8 4 1	66 0 0
26. Natural History Museum Fund	1 6 4	42 14 5
27. Research Fund	1 16 5	...

Carry forward, £12,624 8 1 £12,105 9 7

	Revenue.	Expenditure.
Brought forward,	£12,624 8 1	£12,105 9 7
28. Tiele Library Fund	1 3 8	11 5 3
29. Gibson German Library Fund	3 12 11	...
30. Carnegie Trust Grants	4,821 4 1	4,948 9 9
31. Garton Lectures on Agriculture	150 0 0	150 0 0
32. Chair of Conveyancing	105 0 0	105 0 0
Carried to Abstract	<u>£17,705 8 9</u>	<u>£17,320 4 7</u>

V.—FUNDS FOR BURSARIES, SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES:—

	Revenue.	Expenditure.
1. Aitken Scholarship	£115 13 2	£1 10 0
2. Ardvorlich Bursary	15 4 0	15 4 0
3. Neil Arnott Prize	37 1 0	37 1 0
4. Neil Arnott Scholarship	33 19 4	34 3 10
5. Baxter Mathematical and Philosophical Scholarships	125 12 4	124 10 0
6. Baxter Natural and Physical Science Scholarships	144 19 10	145 0 0
7. Misses Baxter of Balgavies Scholarships	162 16 0	135 2 9
8. John Edward Baxter Scholarships, viz.:—		
(1) Fund for Scholarships	248 9 1	246 15 6
(2) Fund for Examiners' Fees	11 12 8	24 1 10
9. Bruce of Grangehill and Falkland Bursaries and Scholarships	445 3 8	431 6 0
10. Beaney Prize	30 17 6	0 8 3
11. Buchanan Scholarship	38 10 1	38 0 0
12. Buchanan Bursary	22 15 10	22 16 0
13. Bucher Scholarship	116 17 0	118 0 0
14. Bayne Bursary	23 15 0	23 15 0
15. Brown Bursaries	23 15 0	23 15 0
16. Blair Arts Bursary	8 6 4	0 3 10
17. James Beattie's Bursaries	1 10 8	1 10 8
18. Misses Brown Bursaries	29 12 6	9 19 0
19. Blackie Memorial Prize	20 1 4	0 5 6
20. Cairns Bursary	18 1 0	18 1 0
21. Cameron Prize	91 4 0	1 4 0
22. Dr John Aitken Carlyle Medical Bursaries	56 5 10	56 5 8
Carry forward,	<u>£1,822 3 2</u>	<u>£1,508 18 10</u>

	Revenue.			Expenditure.		
Brought forward,	£1,822	3	2	£1,508	18	10
23. Cousin Prize	14	8	8	14	8	10
24. Bailie Cousin Bursary	26	12	0	26	12	0
25. Cobb Scholarship	30	17	6	30	17	6
26. Crichton Bursaries and Scholarships	1,061	18	5	834	6	8
27. Drummond Scholarship, viz. :—						
(1) Fund for Scholarship	91	1	8	91	1	8
(2) Fund for Examiners' Fees	8	12	10	0	1	6
28. William Dickson Travelling Fund	85	10	0	91	2	6
29. Dundas Bursaries	50	12	4	51	17	4
30. Dalgleish and Macmorran Bursary	13	3	10	13	3	10
31. Conan Doyle Prize	30	17	6	30	17	6
32. Edinburgh University Endowment Association's Arts Bursaries and Prizes	10	10	0	35	18	11
33. Ettles Divinity Scholarships	106	12	8	106	13	0
34. Ettles Medical Scholarship	30	17	6	15	12	10
35. Ellis Prize	31	6	0	0	9	0
36. Falconer Memorial Fellowship, viz. :—						
(1) Fund for Fellowship	111	0	8	1	9	0
(2) Fund for Examiners' Fees	4	0	8	0	1	0
37. Fotheringham and Forrest Bursaries	40	16	10	30	3	4
38. James Fairbairn Scholarship	32	6	0	32	6	0
39. Freeland Barbour Fellowship	47	10	9	94	7	6
40. Fraser Bursaries	41	6	6	41	6	8
41. Donald Fraser Bursary	48	9	0	48	9	0
42. Ford Bursaries	31	13	2	31	13	2
43. Glover Divinity Scholarship	39	5	8	39	5	8
44. Gray Scholarship	87	19	10	87	19	10
45. Guthrie Fellowship	81	16	6	122	6	9
46. Grierson Bursaries	336	17	8	255	5	8
47. Gunning Medical Prizes	181	17	6	49	18	0
48. Gunning Divinity Prizes	186	4	7	326	0	3
49. Goodsir Memorial Fellowship	126	12	6	118	15	0
50. Dorothy Gilfillan Prize	10	16	2	10	16	2
51. Hamilton Philosophical Fellowship, viz. :—						
(1) Fund for Fellowship	83	13	6	83	14	0
(2) Fund for Examiners' Fees	4	12	8	0	1	0
52. Harrison Bursary	24	18	10	24	18	10
Carry forward,	£4,937	3	1	£4,250	18	9

	Revenue.			Expenditure.		
Brought forward,	£4,937	3	1	£4,250	18	9
53. Hope Prizes	78	7	2	58	0	3
54. Robert Hunter Bursaries	43	8	0	1	0	0
55. Houldsworth Scholarship	43	14	0	43	14	0
56. Jardine Bursary	41	8	4	41	8	6
57. Jardine of Thorlieshope Bursaries	281	9	3	201	1	8
58. Johnston of Harthope Bursary	15	8	10	15	8	10
59. Jeffrey Scholarships	142	5	2	142	5	4
60. Robert Johnston Bursaries	54	16	0	53	13	8
61. Archibald Johnstone Bursary	12	7	0	12	7	0
62. David Kidd Divinity Scholarship	34	4	0	34	4	0
63. Kelland Memorial Prize	4	7	4	4	7	6
64. General Lang's Bequest	18	5	8	0	4	0
65. Lockerby Bursary	27	13	8	27	13	8
66. Lorimer Travelling Scholarship	41	16	0	41	16	0
67. Leckie Mactier Fellowship	67	18	6	67	18	6
68. Charles Maclaren Scholarship, viz.:—						
(1) Fund for Scholarship	94	15	2	94	15	4
(2) Fund for Examiners' Fees	7	12	0	18	1	0
69. Maxton Scholarship	40	5	8	40	5	8
70. Mackenzie Classical Scholarship	106	3	2	105	4	3
71. Macpherson Scholarship	79	7	3	77	13	8
72. Marshall Bursary	30	17	6	30	17	6
73. Mackenzie Bursaries in Anatomy	32	1	4	32	1	4
74. Mackinnon Bursaries	58	1	6	63	1	6
75. Mann Bursaries	85	9	10	85	10	0
76. Mackie Bursaries	57	0	0	57	0	0
77. Maclaurin Bursary	71	0	2	71	0	4
78. Maule Bursaries	81	4	6	81	4	8
79. Milner Fothergill Prize	9	10	0	0	2	6
80. Muirhead Prize	15	8	10	15	8	10
81. M'Lurg and Penman Bursary	19	0	0	19	0	0
82. Miller Bursary	22	16	0	22	16	0
83. Mitchell and Shortt Bursary	20	18	8	0	5	6
84. Mackenzie (Stornoway) Bursary	25	13	0	25	13	0
85. Mouat Scholarship	55	10	6	55	10	8
86. M'Cosh Graduates Bursary	163	15	7	122	0	11
Carry forward,	£6,921	2	8	£6,013	14	4

	Revenue.			Expenditure.		
Brought forward, ...	£6,921	2	8	£6,013	14	4
87. M'Cosh Medical Bursary	11	18	2	8	19	7
88. Newton Bursaries	89	2	8	78	5	1
89. Nairne Bursary	15	16	8	15	16	8
90. Prizes in Sanskrit	...			...		
91. Pitt Club Classical Scholarship	58	13	4	0	15	6
92. Pitt Club Theological Scholarship	102	17	8	52	2	4
93. Patrick Bursaries	116	16	6	117	19	0
94. Pattison Prize	10	16	2	10	16	2
95. Patterson Bursary	15	6	2	15	6	2
96. Bailie John Penman Bursary	14	0	4	14	0	4
97. Rev. John Penman High School Bursaries	6	1	11	0	2	6
98. Pringle and Wardrop Bursary	17	10	6	8	17	5
99. Rhind Scholarships	157	18	10	156	17	4
100. Renton Bursary in Arts	19	0	0	19	0	0
101. Renton Bursary in Divinity	19	0	0	0	9	0
102. Ramsay Bursary in Arts	10	11	0	10	11	0
103. Ramsay Bursary in Divinity	18	18	6	18	18	4
104. Ritchie Scholarships	80	12	2	76	0	0
105. Horsliehill Scott Bursary	63	5	10	32	1	2
106. Shaw Philosophical Fellowship	132	15	2	176	9	2
107. Steven of Bellahouston Scholarship	66	10	0	37	13	9
108. Syme Surgical Fellowship, viz. :—						
(1) Fund for Fellowship	103	14	6	1	7	6
(2) Fund for Examiners' Fees	8	11	0	0	2	3
109. Scott and Dunbar Prize	27	8	4	29	17	3
110. Dobbie Smith Prize	4	15	10	0	1	3
111. Mackay Smith Scholarships, viz. :—						
(1) Fund for Scholarships	95	0	0	106	18	4
(2) Fund for Expenses	3	16	0	1	6	0
112. Stark Scholarship	53	4	0	99	14	4
113. James Scott Scholarship	33	5	0	33	5	0
114. Struthers and Leighton Bursary	22	4	4	22	4	4
115. Stewart Bursaries	34	4	0	25	17	0
116. George Scott Scholarship	34	4	0	34	1	7
117. Tarsappie Bursary	4	18	10	0	1	3
118. Trevelyan Scholarships	33	5	0	16	17	0
119. Trotter and Penman Bursary	12	5	2	0	3	2
Carry forward, ...	£8,419	10	3	£7,236	11	1

	Revenue.	Expenditure.
Brought forward,	£8,419 10 3	£7,236 11 1
120. Vans Dunlop Scholarships	2,327 14 1	1,991 19 6
121. Wightman Prize	14 14 6	0 3 9
122. Robert Wilson Prize	7 17 8	1 6 6
123. Webster Bursaries	133 0 0	133 0 0
124. John Welsh Bursaries	195 13 6	211 13 2
125. Whitelaw Bursaries	68 16 2	67 14 0
126. King William III. Bursaries	58 17 0	29 13 2
127. Weir, Jenkins, Hepburn, and Lightbody Bursary	10 16 4	10 16 4
128. Wight, M'Call, and Christie Bursary	12 8 0	12 8 0
Carried to Abstract	<u>£11,249 7 6</u>	<u>£9,695 5 6</u>

VI. ESKBANK FEU-DUTIES—CASUALTY FUND:—

	Revenue.	Expenditure.
Amount thereof	£200 15 3	£27 17 6
Carried to Abstract	<u>£200 15 3</u>	<u>£27 17 6</u>

ABSTRACT OF REVENUE AND EXPENDITURE.

I. GENERAL UNIVERSITY FUND	£51,699 0 7	£50,714 5 11
II. FEE FUND ACCOUNT AND SALARIES ACCOUNT	39,758 15 2	39,758 15 2
III. FUNDS PARTLY OR WHOLLY UNAPPROPRI- ATED TO PARTICULAR PURPOSES	4,656 2 0	7,052 18 3
IV. FUNDS APPROPRIATED TO PARTICULAR PURPOSES OTHER THAN BURSARIES, SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES	17,705 8 9	17,320 4 7
V. FUNDS FOR BURSARIES, SCHOLARSHIPS, FELLOWSHIPS, AND PRIZES	11,249 7 6	9,695 5 6
VI. ESKBANK FEU-DUTIES—CASUALTY FUND	200 15 3	27 17 6
	<u>£125,269 9 3</u>	<u>£124,569 6 11</u>
Deduct amount of sums appearing under two different heads owing to transfers between the Funds under these heads	26,294 3 11	26,294 3 11
NET TOTAL REVENUE AND EXPENDITURE, ...	<u>£98,975 5 4</u>	<u>£98,275 3 0</u>

The University Court.

ABSTRACT OF THE PROCEEDINGS OF THE UNIVERSITY COURT, FROM 1ST MAY 1905 TO 1ST MAY 1906.

MONDAY, 15th May 1905.—The Minutes of last Meeting were submitted and approved.

Reports by the Senatus under Ordinance 11, sections xiii. (1) and xxii., and Ordinance 12, section x., were submitted. Various applications made under Ordinance 16, sections x. and xi., were granted. On the recommendation of the Senatus, leave of absence was granted for the remainder of the current session to Dr R. M. Johnston, University Lecturer on Diseases of the Larynx, Ear, and Nose. The Court approved of the arrangements under which Dr A. Logan Turner will act as Dr Johnston's substitute. The Senatus reported that arrangements had been made under which Professor J. Bretland Farmer should act, in connection with the July examinations, as substitute for Professor Marshall Ward, Additional Examiner in Botany, during his absence. The Court approved. Grants recommended by the Senatus from the Earl of Moray endowment for purposes of original research were approved. On the recommendation of the Senatus, Professor M'Intosh, University of St Andrews, was appointed Additional Examiner of a Thesis submitted for the Degree of D.Sc. The following applications for Recognition were granted:—1, Dr Alexander Lauder, Edinburgh (Practical Chemistry, under Ordinance 12, section iv. (2)—1st B.Sc. Examination; and Agricultural Chemistry, under Ordinance 22, section iv. (2.); 2. The Army Medical College, as an institution where two months' practical work in Hygiene, etc., may be taken by candidates for the Degree of B.Sc. in Public Health. On the recommendation of the Senatus, the Court approved of special courses of instruction being instituted for candidates for the public medical services.

It was reported that copies had been received of Reports by Committees of the General Council of the University submitted to the Council's meeting of 3rd instant. It was reported that the General Council had approved generally of the Court's Draft Ordinance (Institution of the Degree of B.Sc. in Forestry), and of the Court's Draft Ordinance (Inclusion of Geography among subjects for graduation in Arts); and that they had approved of the Draft General Ordinance (Acceptance of the Leaving Certificate in Science in lieu of the Preliminary Examination in Dynamics).

The Works Committee submitted their Report on general repairs and jobbing work on the buildings for the past half-year.

It was reported that the Chancellor of the University had reappointed Lord Stormonth Darling as his Assessor on the University Court.

The Principal was reappointed the University's representative on the Carnegie Trust.

It was reported that the Privy Council had intimated that the Aberdeen University Court had resolved to withdraw their Ordinance No. 2 (Regulations for the Degree of D.Sc. in Agriculture).

The Court approved of the conditions on which the War Office authorities were prepared to grant the use of bridging material to the University in connection with the courses of instruction given by the Lecturer on Military Subjects.

Various Reports by the Finance and Works Committees were submitted and approved.

MONDAY, 12th June 1905.—The Minutes of last Meeting were submitted and approved.

A letter of acknowledgment from Mrs Lang Todd was read in reply to the Court's expression of condolence on the death of her late husband, Bailie Lang Todd, who had acted for several years as Assessor of the Town Council on the University Court. It was intimated that the Magistrates and Town Council had appointed Bailie Robert Menzies as an Assessor on the University Court in room of the late Bailie Lang Todd. Bailie Menzies was appointed a member of the Finance Committee and of the Business and Law Committee. The Court approved of plans submitted for the proposed extension of the University Union.

On the recommendation of the Library Committee it was agreed that as from 1st October next, and during the winter session, the reading-room in the old buildings should be open from 7 to 9 P.M. instead of from 8 to 10 P.M., it having been ascertained that the former hours would better meet the convenience of students. The Court approved of a report submitted by a committee on the supervision of the Library. The Report on the work of cataloguing the Library for the half-year to 16th March last was submitted. A report by the Senatus, under Ordinance No. 11, section xiii. (1), was submitted. On the recommendation of the Senatus, a proposal by the Professor of Divinity to divide the Class of Divinity into two classes—junior and senior—was approved, the fee for each class to be £3, 3s. On the recommendation of the Senatus, the Court appointed Mr James J. M'Lachlan, Secretary and Actuary, Scottish Equitable Assurance Society, as an Additional Examiner of a Thesis submitted for the Degree of D.Sc.

An alteration proposed by the Students' Representative Council on the Laws of the Council was approved.

An application by Professor A. R. Simpson for permission to retire from the Chair of Midwifery as at 31st August next was submitted.

The Court approved of a recommendation of the Finance Committee with regard to the salary of the Professor of Engineering.

Authority was granted to sign and seal, on behalf of the University Court, the Agreement between the Trustees of Professor William Dick and others, as to the reconstruction of the Royal (Dick) Veterinary College. The Court appointed the Principal and Professor Rankine as their Representatives on the Advisory Board constituted under the aforesaid Agreement.

A Draft Ordinance (Regulations for the Degree of Bachelor of Science in Forestry) was finally adjusted and approved.

Receipt was intimated of copies of Statistics of the Preliminary Examinations of March last issued by the Joint Board of Examiners, and a copy of the annual report of the Marine Biological Association of the West of Scotland. Various Reports by the Finance Committee were submitted and approved.

MONDAY, 17th July 1905.—The Minutes of last Meeting were submitted and approved.

It was remitted to a committee to prepare a Minute relative to the death of the late Principal of the University, Sir William Muir.

An application by Professor Simpson for permission to retire from the Chair of Midwifery as at 31st August next was granted.

The Court resolved to institute, after consultation with the Senatus, a Lectureship in Gynecology and to communicate the fact to the Curators of Patronage when making intimation to them of the vacancy created in the Chair of Midwifery by the retirement of Professor Simpson.

With a view to provide the means for an extension of tutorial instruction, and thereby to secure increased efficiency of teaching in the departments of the Faculty of Arts, the Court, acting on a recommendation of a committee of its members, resolved to raise the class fees in that Faculty from £3, 3s. to £4, 4s., as from 1st October 1906.

Leave of absence was granted, on the ground of ill-health, to Professor Copeland for next academical year, and Dr J. Halm was appointed to act as substitute for the Professor during his absence.

On the recommendation of the Senatus, Mr J. H. MacLagan Wedderburn was appointed a lecturer on Mathematical Honours Subjects, his course of instruction to qualify as a half-course for honours in Arts. The class fee was fixed at £2, 2s.

The draft deed of foundation of the Annabella Kirkpatrick Scholarship, forwarded by the Secretary of the Association for the better endowment of the University and approved by the Senatus, was submitted and approved.

Professors Chrystal, Darroch, Pringle Pattison, and Bayley Balfour, and Dr Lowe were appointed to represent the University on the Com-

mittee for the Training of Teachers in connection with the University of Edinburgh, in terms of the Minute of the Scotch Education Department of 30th January last.

Applications from Dr R. Barclay Ness, Glasgow, for recognition as an extra academical teacher in Practice of Medicine (instead of in *Materia Medica*, in which subject he is at present recognised) for purposes of Graduation in Medicine; and Major D. G. Marshall, Edinburgh, as an extra academical teacher in Diseases of Tropical Climates in connection with the Diploma in Tropical Medicine were granted.

The Court had under consideration a report by a committee on changes proposed in the Curriculum for Medical Degrees.

The University Assistants for next academical year were appointed, and such of them as are University Lecturers were continued in office for the same period.

The following University Lecturers were appointed for next academical year:—Dr J. Halm (Astronomy); Dr L. Dobbin (Agricultural Chemistry); Dr H. J. Stiles (Applied Anatomy); Dr T. D. Luke (Practical Application of Anæsthetics).

Mr John Harvey, LL.B., advocate, was appointed to the Lectureship in Procedure and Evidence, and Dr George Mackay to the Lectureship in Diseases of the Eye.

The University's representatives on the Joint Board of Examiners for the year from 1st February next were appointed as follows:—Mr F. S. Boas, M.A. (English); Professor Hardie (Classics); Professor Chrystal (Mathematics and Dynamics); Dr Alex. Cran (Modern Languages).

A Report by the Committee on the Medical Education of Women was submitted, and an application by the Scottish Association for the Medical Education of Women for continuance of recognition, for next academical year, of the Edinburgh Medical College for Women, Minto House, was granted.

Subject to the approval of the Senatus, the Court approved of a proposal by the Lecturer in Military Subjects, to divide his course of instruction into sections, of from eight to twelve lectures each, and to allow a single section to be taken by Officers of His Majesty's Forces and others at a fee of half-a-guinea, with an entrance fee for non-matriculated students of five shillings for the course, or for any section of it.

Various Reports by the Finance, Works, and Business and Law Committees were submitted and approved.

MONDAY, 23rd October 1905.—The Minutes of last Meeting were submitted and approved.

The Report on Lectureships, Assistants, and Class Expenses for 1905-6, submitted by the Finance Committee, was adjusted and approved.

Reports by the Senatus, under Ordinance No. 11, sections xiii. (1)

and xxii., were submitted. The Court approved of a recommendation of the Senatus that accommodation in the University buildings should again be granted to the Classes of the United Free Church. On the recommendation of the Senatus, leave of absence for three months was granted to the Lecturer on Forestry, Colonel Bailey, R.E., on the ground of ill-health, duly certified; and Dr A. Borthwick, of the Royal Botanic Garden, was appointed to conduct the work of the Forestry Class during the Lecturer's absence. On the recommendation of the Senatus, the use of rooms in the University during August next for the purposes of the Edinburgh Vacation Courses was granted.

Principal Sir William Turner was appointed a Governor of the Fettes Trust, in room of the late Principal Sir William Muir.

Professor Crum Brown and Mr J. Hope Finlay, W.S., were re-appointed to represent the Court on the Board of Governors of the Edinburgh and East of Scotland College of Agriculture.

It was reported that the draft Commission to the new Professor of Midwifery had been duly revised and adjusted on behalf of the Court.

The Court resolved to make request of the Managers of the Royal Infirmary for a continuance of the use of the ward hitherto placed at the disposal of the University for purposes of clinical teaching in connection with the Chair of Midwifery.

The Members of the Standing Committees were reappointed for the current academical year, and the Court's quota of Members on the Library and Museum Committees were also reappointed for the same period.

Mr Adam B. Webster, M.A., was appointed Assistant in Rhetoric and English Literature, and Lecturer on English Language and Literature, in room of Mr G. Gregory Smith, M.A., recently appointed to the Chair of English Literature in Queen's College, Belfast. Mr J. Harkess was appointed Assistant in the Physical Laboratory (under the Nichol Foundation). Dr William M'Lachlan was appointed Assistant in the Usher Institute in connection with the bacteriological work of the City.

It was reported that representations had been made to the Privy Council by the University Courts of St Andrews and Glasgow with regard to the Edinburgh University Court's Ordinances No. 4 (Veterinary) and No. 5 (Geography); and by the University Court of Aberdeen, with reference to the aforesaid Ordinance No. 4.

The gift to the University by Professor Crum Brown of a collection of over 2000 specimens of pure chemical substances was accepted with thanks to the donor.

Various Reports by the Finance and Works Committees were submitted and approved.

MONDAY, 13th November 1905.—The Minutes of last Meeting were submitted and approved.

Various Reports submitted by the Finance Committee and by the

Business and Law Committee were approved. The Works Committee submitted their Annual Report on the work done, and the expenditure incurred on the buildings during the past financial year, together with an estimate of the probable sum to be expended on the buildings during the current year. They also submitted their Report on the expenditure on general repairs and jobbing work for the past half-year. The same Committee submitted various other Reports which were approved.

The draft Deed of Foundation of the Annabella Kirkpatrick Scholarship was adjusted and approved.

The Senatus reported that Sir John Halliday Croom, M.D., had presented his Commission as Professor of Midwifery, and was duly inducted as a Member of Senatus. Reports by the Senatus under Ordinance No. 11, sections xiii. (1) and xxii., and Ordinance No. 12, section x., were submitted. The Senatus reported that they had re-elected Professor Sir Thomas R. Fraser to be one of their Assessors on the University Court. On a recommendation by the Senatus, the Court approved of the institution of an additional qualifying half-course of twenty-five lectures in Advanced Chemistry, to be given during the Summer Session. The class fee was fixed at one guinea. Grants recommended by the Senatus from the Earl of Moray Endowment for purposes of Original Research were approved. Dr Flett, Petrologist, H.M. Geological Survey, was appointed Additional Examiner in connection with a thesis submitted for the Degree of D.Sc. On the recommendation of the Senators, Recognition for purposes of Graduation in Medicine was granted to the following Lecturers in the Rhodes University College, Cape Colony:—S. Schönland, Ph.D. (Botany); George E. Cory, M.A. (Chemistry); A. Ogg, M.A., B.Sc. (Physics); J. E. Duerden (Zoology). Recognition was also granted to Dr W. G. Sym, Edinburgh, as an extra academical Teacher, whose courses of instruction in Diseases of the Eye shall qualify for Graduation in Medicine; and to Dr Malcolm Laurie, Edinburgh, as an extra academical Teacher, whose courses of instruction in Zoology shall qualify for the first B.Sc. Examination.

It was intimated that copies of a Report by a Committee of the General University Council had been received and distributed among the Members of the Court.

A vacancy having occurred in the representation of the University on the General Medical Council by the resignation of Principal Sir William Turner, the University Court appointed Professor Sir Thomas R. Fraser to represent the University on the Council in lieu of the Principal.

Professors Stanfield and Baily were reappointed Additional Examiners—the former in Engineering, and the latter in Electrical Engineering. Professor Kenwood was reappointed Additional Examiner in Public Health Laboratory Work. It was remitted to Committees to consider and report as to the appointment to the

following Additional Examinerships, vacant or about to become vacant :—(1) Classical Archæology, (2) Political Economy, (3) Veterinary Hygiene, (4) Clinical Surgery, (5) Pure and Applied Mathematics, (6) Experimental Physics. Professor S. J. Hickson was appointed Additional Examiner in Zoology for the remainder of the period of office for which the late Professor Howes had been appointed.

A gift of books to the University by Emeritus-Professor Flint, for behoof of the Department of Ecclesiastical History was accepted with thanks to the donor. A further gift by the Rev. Professor Gwatkin, Cambridge, of a collection of Molluscan Radulæ, was also accepted with thanks to the donor.

MONDAY, 18th December 1905.—The Minutes of last Meeting were submitted and approved.

The nomination by the Rector of Lord Dundas as his assessor on the University Court was reported.

It was also reported that the General Council had elected Dr D. F. Lowe and Mr J. Campbell Lorimer as two of their assessors on the University Court.

Lord Dundas was reappointed a Curator of Patronage.

The Report by the Finance Committee on the University Accounts for the financial year 1904-5 and estimates for the current year was submitted and approved.

The following Additional Examiners were appointed :—Mr Adolf P. Oppé, B.A. (Classical Archæology); Mr Frank Spence, M.A. (Political Economy); Mr J. M. Cotterill, M.B. (Clinical Surgery).

Mr Norman Smith, M.A., D.Phil., Glasgow; Professor James Robertson, D.D., Glasgow; Professor Burkitt, Cambridge; Professor J. Walker, Dundee; Dr J. J. Dobbie, Edinburgh; Dr J. Spottiswoode Cameron, Leeds; and Major R. H. Firth, London, were appointed Additional Examiners in connection with theses submitted by candidates for Higher Degrees in Arts and Science.

A letter from Sir Henry D. Littlejohn intimating his resignation as Professor of Forensic Medicine as from 31st current was read. The Court accepted the resignation with regret, and resolved to record in their Minutes their high appreciation of Sir Henry's services to the University.

Professor Hudson Beare was appointed one of the representatives of the University on the Committee for the Training of Teachers, in room of Professor Pringle Pattison, who had intimated his resignation of that office.

On the recommendation of the Senatus, leave of absence was granted to Professor Chiene on account of the state of his health, up to the Christmas vacation. The arrangements intimated as having been made for conducting his systematic and clinical courses of instruction were approved.

A Report by the Senatus under Ordinance No. 11, section xiii. (1) was submitted.

An application under Ordinance No. 16, section x., was granted on the recommendation of the Senatus.

On the recommendation of the Senatus, the Court approved of the addition to the list of elective subjects for M.A. Honours in Mathematics and Natural Philosophy, of such branches of Advanced Experimental Physics as the following:—Constitution and Properties of Matter; Nature and Properties of Electricity, Light, Heat, and Sound—candidates being permitted to select either one or two such branches, and the branch or branches selected, if not included in the above, to be approved by the Examiners. The Court also approved of the recognition of each of the two courses of Dr Peddie's Class in Advanced Experimental Physics as qualifying as a half-course for the M.A. Degree, with Honours; and the recognition of the two courses together as qualifying as a full course for the final B.Sc. Examination in Pure Science. The fee for each of these two courses, if taken separately, was fixed at £2, 2s., but at £3, 3s. if taken together.

On the recommendation of the Senatus, the Court approved of a course of lectures being given in the Engineering department during each Winter Session on some special branch of Laboratory Work, each course to consist of twenty lectures, the subject for 1906-7 to be "The Microscopic Study of Steel and Iron," and the course to be delivered by Mr G. H. Gulliver. The fee for the course was fixed at one guinea, with a five shillings entrance fee in lieu of matriculation.

A Report by the Faculty of Arts (approved by the Senatus) on the reform of the Bursary Competition was referred to a committee.

The Court, after consultation with the Senatus, approved of a scheme apportioning the relative duties of the Professor of Midwifery and the Lecturer on Gynecology (to be appointed) respectively with regard to Systematic and Clinical Teaching, the scheme to be communicated to the Managers of the Royal Infirmary.

On the recommendation of the Senatus, recognition was granted to Dr J. D. F. Gilchrist, South African College, Cape Town, and Dr Ernest Warren, Director of the Natal Government Museum, Maritzburg, as extra-academical Teachers, whose courses of instruction in Zoology shall qualify for graduation in Medicine.

The half-yearly Report on the work of cataloguing the University Library, forwarded by the Senatus, was submitted.

A letter from the Scottish Office was read, intimating the appointment of Mr F. W. Dyson, F.R.S., as Astronomer-Royal for Scotland, and Professor of Astronomy in the University of Edinburgh. It was intimated that the draft clauses of the Commission relative to the Chair of Astronomy had been submitted for the revision and adjustment of the Court, under Ordinance No. 144.

An abstract of the accounts of the Athletic Club for the year to 30th September last was submitted. Various Reports by the Finance and and Works Committees were submitted and approved.

MONDAY, 15th January 1906.—The Minutes of last Meeting were submitted and approved.

The Building Committee reported that they had had before them plans and estimates prepared by their Architect for the adaptation of a portion of the old surgical hospital, High School Yards, to the purposes of the Natural Philosophy Department. The recommendations of the Committee having been considered, the Report was adjusted and approved.

The Court approved of a Report by the Senatus embracing proposals for amending the Regulations in connection with the Bursary Competition.

The Senatus reported that Mr Frank Watson Dyson, M.A., F.R.S., had presented his Commission as Regius Professor of Astronomy in the University of Edinburgh, and was duly admitted a Member of the Senatus.

On the recommendation of the Senatus, Dr Bruce Low was appointed Additional Examiner in connection with a Thesis for the Degree of D.Sc.

Grants recommended by the Senatus from the Earl of Moray Endowment for purposes of Original Research were approved.

The alterations proposed by the Senatus on the Medical Ordinance were approved, and a Draft Ordinance giving effect to these alterations was adjusted and approved.

It was intimated that the draft of the Commission relative to the Chair of Forensic Medicine had been submitted for the revision and adjustment of the Court under Ordinance No. 144.

The Court appointed Additional Examiners as follows:—1, Mr James F. M'Kean, M.A., Devonport (Pure and Applied Mathematics); 2, Mr Magnus Maclean, M.A., D.Sc., Glasgow (Experimental Physics); 3, Mr Sydney Pennington, M.R.C.V.S., Coniston, Lancashire (Veterinary Hygiene).

Mr T. H. Collinson, Mus. Bac., was reappointed University Organist for the year from 1st inst.

It was intimated that the Highland and Agricultural Society had resolved to continue for the present year the grant of £50 to the Lectureship in Forestry.

The Report on the State of the Finances for the year 1904-5, under Section 30 of the Universities (Scotland) Act, 1889, was submitted, and directed to be forwarded to the Secretary for Scotland.

Statistics relative to the Preliminary Examinations of September-October last, etc., were submitted.

Various Reports by the Finance Committee were submitted and approved.

MONDAY, 12th February 1906.—The Minutes of last Meeting were submitted and approved.

Reports by the Senatus under the Arts Ordinance, No. 11, sections xiii. (1) and xxii., were submitted.

The Court approved of Regulations, submitted by the Senatus, under which candidates for M.A. Honours in Mathematics and Natural Philosophy shall be permitted to submit to the Examiners properly authenticated records of their laboratory work.

The Court approved of a recommendation of the Senatus that the course of instruction in Public Health for Graduation in Medicine should be a course of two and a half months, with not less than forty meetings of the class.

The Annual Report by the Librarian under Ordinance No 64, section xvi., was submitted by the Senatus.

On the recommendation of the Senatus, recognition for purposes of Graduation in Medicine was granted to the following Teachers in the Maritzburg College, Natal:—S. R. Edminson, B.Sc. (Chemistry, the qualifying certificate of attendance to include Organic as well as Inorganic Chemistry); Horace A. Wager (Botany).

On the recommendation of the Senatus, and in connection with the Diploma in Tropical Medicine and Hygiene, the Court approved of 1, arrangements for the clinical teaching of Tropical Diseases; 2, the course of instruction in Medical Entomology and Protozoology; and 3, the providing of a reading-room for students engaged in the study of Tropical Diseases.

Principal Sir William Turner was appointed a Curator of Patronage for three years as from 13th April next, in room of Sir P. Heron Watson, whose term of office expires at that date.

Lord Dundas and Dr Bell were reappointed the Court's Representatives on the University Field Committee for the year from 15th proximo.

The Report as to Statistics for 1904-5 to the Secretary for Scotland under Section 30 of the Universities (Scotland) Act, 1889 was submitted.

The Class Returns for 1904-5 were submitted and remitted to a Committee.

A further gift by the Rev. Professor Gwatkin, D.D., Cambridge, of a collection of Molluscan Radulæ for the microscope was accepted with thanks to the donor.

Various Reports by the Finance, Works, and Business and Law Committees were submitted and approved.

MONDAY, 12th March 1906.—The Minutes of last Meeting were submitted and approved.

On the recommendation of the Senatus, the Court resolved to institute an Advanced Course of Instruction in Agriculture extending over two Winter Sessions, and embracing twenty-five meetings (lectures,

etc.), each session, the course to be delivered by Professor Wallace. The class fee was fixed at one guinea for each winter session.

The Finance Committee submitted a statement of the expenses of the Joint Board of Examiners of the Scottish Universities, and of the remuneration of the University's Representatives on the Board for the year ended 31st January last.

The Court approved of arrangements for the taking over of the Anatomy Rooms of the new School of Medicine, Bristo Street, for purposes connected with the Anatomical Department of the University. Subject to the approval of the Senatus, Dr E. B. Jamieson, Second Demonstrator in Anatomy, the University, was appointed Lecturer, and to have the chief charge of the rooms taken over.

The University Lecturers in French and German were reappointed for an additional period of five years from 1st October next.

On the recommendation of the Senatus, the Court approved of an arrangement under which Dr Logan Turner, Senior Assistant Surgeon to the Ear and Throat Department, Royal Infirmary, should conduct the class of the University Lecturer on Diseases of the Larynx, etc., during Dr M'Kenzie Johnston's absence, on account of ill-health, for part of the current session.

On the recommendation of the Senatus, the Court appointed Dr A. H. Freeland Barbour to be University Lecturer on Systematic and Clinical Gynecology.

Various Reports by the Finance and Works Committees were submitted and approved.

Appendix.



MISCELLANEOUS.

I. THE NEW ENGINEERING LABORATORY.

The Engineering Department of the University has now moved into new laboratory buildings, which in respect of equipment and suitability for teaching purposes are second to none in the country. The fact is one on which all interested in the University will offer their congratulations to the learned Principal, Sir William Turner, who has actively promoted the movement, and to the Professor of Engineering, Professor Hudson Beare; but it has a further interest for the citizens of Edinburgh inasmuch as this event reconsecrates, for all time probably, a site—that of the old High School of Edinburgh, and, indeed, the old building itself—to the cause of education. The first High School on this site was built in 1578, on land which had formerly belonged to the Blackfriars Monastery, an ancient church which had figured conspicuously in the troublous times of the first half of the 16th century. It was there that Gawain Douglas saved the life of James Beaton, Archbishop of Glasgow and Chancellor of Scotland, after the “Cleanse the Causeway” riot in 1520; it was to the Blackfriars Church that Knox was summoned in 1556 to answer for preaching against the Mass; in 1558 it was the scene of the last provincial Synod of the Scottish Roman Catholic Church, and a little later it was destroyed by the reforming mob when the Earl of Argyle and the Congregation entered Edinburgh. The school, built in 1578, probably existed until 1779, when another took its place on the same site, and this was occupied by the masters and pupils until the 23rd June 1829, when, along with the Magistrates and Council and a goodly company of citizens, they marched from High School Yards to take possession of their beautiful classic temple in Regent Road, designed for them by Mr Thomas Hamilton, architect. When the High School was removed to the Calton Hill, the old building became a surgical hospital, and was occupied by Professor Syme. Subsequently when the Royal Infirmary was moved to Lauriston, Syme’s surgical hospital became a part of the City Hospital for the treatment of infectious diseases. On the erection of the new City Hospital at Colinton, the University purchased from the Corporation the old buildings and adjoining grounds, extending to between 3 and 4 acres—the eastern boundary being the Flodden Wall of 1513 still extant, while the southern line is the north side of

Drummond Street. This will give the University ground for necessary extensions for many years to come. In the meantime, as a first instalment, the old High School building has been converted, and with admirable success, into the engineering department of the University, and in the adjoining large building—the old surgical hospital of the Infirmary, facing Drummond Street—the physics department, presided over by Professor Macgregor, will, by and by, be installed.

The Engineering Chair in the University, it may be recalled, was founded in 1868. Its first occupant was Professor Fleeming Jenkin, who was succeeded in 1885 by Professor Armstrong. During Professor Jenkin's tenure of the Chair there was no practical teaching, except that of mechanical drawing. Subsequently in the time of his successor the University devoted a bequest made by the late Mr Fulton, Edinburgh, to the fitting up of a laboratory for practical teaching in the basement of the University buildings; but this was very inconveniently situated, and necessarily, on account of its situation, very imperfectly lighted. In October 1900 Professor Hudson Beare was installed, and in his inaugural address he put forward a strong plea for better accommodation for this important and growing department of the University, in which at present are something like ninety students. That appeal has not been in vain, and has borne fruit sooner than might have been expected. For improving and extending the engineering department a sum was set aside by the University Court from the grant made by the Carnegie Trust; the difficult question of finding a site was happily solved by the purchase already referred to, and the new spacious and well-arranged engineering laboratories and teaching theatre have taken their present shape from plans prepared by Sir Rowand Anderson, H.R.S.A., and carried out under the supervision of Mr Clark, the University's Inspector of Works. It has not been found necessary to touch the exterior of the old High School building (which is in full view from the end of Infirmary Street), with its simple classic porch, on the pillars of which, as also on the lintels of the doorway, may still be seen cut in the sandstone, probably with their pocket-knives, the names of High School boys of the end of the 18th and the beginning of the 19th centuries.

THE LABORATORY EQUIPMENT.

The block of buildings now devoted to engineering is T-shaped. The head of the T, which faces west and looks up Infirmary Street, was the old High School; the tail of the T was an addition to the block constructed when the old High School began to be used as part of the Infirmary and the Edinburgh Medical School. While the exterior walls have been untouched except for a few necessary repairs here and there, the whole of the interior of the building has been cleared out, all partition walls, floors, and roofs being demolished and removed. In the rearranged buildings, the front part (the old School) has a ground floor and a first floor. On the ground floor is the entrance

hall, in the centre; a large laboratory for the testing of materials on the left hand side; and a hydraulic laboratory on the right. In the testing laboratory there will be machines for the testing of iron and steel, and other materials used by engineers—viz., a 100-ton machine, built by Messrs Buckton & Co., Leeds, of the usual English pattern, with the necessary electric motor, pump, and accumulator for working it; and a 60,000 lb. testing machine, built by Messrs Riehle Bros., Philadelphia—a type of machine extensively used in the United States. A portion of this laboratory has been screened off and set aside specially for the testing of building materials of all classes, such as cements, mortars, bricks, stones, &c. In this division there will be an Adie cement-testing machine, with all the necessary accessories, and a powerful Amsler compression testing machine, capable of exerting a pressure of 50 tons. This latter type of machine is largely used in the official testing laboratories of Germany, Switzerland, and other Continental countries. The hydraulic laboratory is quite a new departure for Edinburgh University, and will, when completed, be one of the largest of the kind in the United Kingdom—the only other hydraulic laboratory on similar lines being that at Glasgow University. At the south-east angle of the building a water-tower has been constructed, on the top of which is a large cast-iron tank, holding about 10,000 gallons of water, and giving a head of 65 ft. above the floor level of the hydraulic laboratory. The floor of the hydraulic laboratory is on two different levels. On the upper level will be placed various turbines, water-wheels, and other hydraulic machines for testing their efficiency and for other experimental work. The water discharged from these machines will be passed into one or other of three rectangular channels formed in the floor, and its quantity measured by allowing it to pass over weirs of various shapes. The water will subsequently flow into two large rectangular tanks, 11 ft. square by 5 ft. deep, sunk below the lower floor level of the laboratory, where it can be measured again by floats with rods moving past carefully graduated vertical scales. From these lower measurement tanks the water will be lifted by an electrically driven 20 h.-p. centrifugal pump back to the storage tank in the water tower, for use over and over again. The rest of the space on the lower floor level will be occupied by smaller hydraulic machines for experimental purposes, and by meters, such as the Venturi meter. Behind both laboratories are commodious rooms for storing the smaller pieces of apparatus used in the experimental work. In order to form a workshop, the north corner between the front and tail of the T-shaped building has been roofed in and connected to the main building by suitable doors, and it is also provided with an entrance from High School Yards. In this workshop are examples of all the ordinary machine tools used by engineers, and a gas-engine, steam-engine, &c. It may be explained that no attempt is made to give workshop instruction in the ordinary sense of the term. All the students who pass through the Engineering Department serve a regular pupilage with

either a firm of mechanical, electrical, or civil engineers. The students do, however, learn to use these machine tools, as they have to make a good deal of the apparatus employed in their experimental work in the laboratories, and have to prepare specimens of iron and steel for testing purposes, and they necessarily learn a great deal about the best type of motor for use in an engineering workshop.

The first floor of the old High School building, 115 feet by 30 feet, is given up almost entirely to a large laboratory for experimental work which does not require heavy machinery. In this upper laboratory a good deal of work will be carried out on frictional losses, on the testing of cast-iron beams, the torsional testing of iron and steel, and in the determination of the calorific value of gases and fuels. At the north end there is a small lecture-room used for demonstrations and for advanced classes, and it also contains the Departmental Library, while at the south end are the private rooms for the Professors and Lecturers in the Department. The back block is again divided into two floors. The lower forms the lecture theatre, and the upper the drawing office. Under the gallery of the lecture theatre, on the same level as the entrance hall, space has been found for commodious cloak-rooms, fitted with hot and cold water basins. The lecture theatre will seat comfortably about 120 students, and on the Lecturer's table are all the needful appliances for experimental demonstrations, there being steam, gas, and electrical connections. There are also the necessary appliances for darkening the room in order to allow of the free use of lantern demonstrations. Behind the lecture theatre is a retiring room and a large apparatus room with direct communication with the lecture theatre, in order that apparatus may be got ready in the store-room and brought straight on to the lecture table.

The drawing office is an exceedingly fine room, about 45 feet square, lit entirely from the north and east. The roof is of the saw-tooth pattern, with illumination from only the north side. The floor space gives room for about sixty independent drawing tables, and the work carried out in this department will be kept as far as possible on lines similar to those in the drawing office of large engineering works. In the lectures the principles of the design of machines and structures, with the necessary calculations, are carefully explained, then each student makes complete working drawings of the machine, or structure, prepares tracings from his drawings, and then from his tracings numbered blue prints, thus following the regular routine of the drawing office. A special room has been set aside for blue print work. The building is heated by hot water and by steam, and for this purpose an independent boiler-house has been constructed out of the old laundry, with two large boilers. This building will supply heat both to the engineering block of buildings and to the new block of buildings, the construction of which is now about to begin for the Natural Philosophy Department.

The engineering block is not yet complete, and it will probably be

after Christmas before the various contractors are entirely finished with their work ; but Professor Hudson Beare has been so anxious to take advantage of the facilities for improvement in the engineering teaching provided in these new buildings that he has already begun to occupy a number of the rooms, and the lectures are now being delivered regularly in the new block. The machinery has been bought by the University Court for this new building, and before the equipment is complete a still further amount of smaller apparatus will be provided. Gifts of machinery and appliances from engineering firms are also expected to form an essential feature in the equipment of such a teaching establishment.

II. SUBJECTS OF EXAMINATION FOR STUDENTS OF DIVINITY AND CANDIDATES FOR LICENCE BY PRESBYTERY OF EDINBURGH.

Examination mainly in writing. An average of not less than 50 per cent. over all the subjects is necessary. Examinations held in the Examination Hall of the University.

Subjects of Examination for Students of Divinity under the Presbytery of Edinburgh, October 1905.

1. *For Students entering on their First Year.*—(1) Bible Knowledge—Genesis to 2 Samuel, and the Four Gospels ; (2) The Shorter Catechism.

2. *For Students entering on their Second Year.*—(1) Hebrew—Davidson's Grammar, 1-31, and Genesis i.-ix. ; (2) Greek—The Epistle to the Colossians as in Lightfoot ; (3) Divinity—Confession of Faith, 1-15 (Macpherson's Handbook recommended), and Flint's "Theism" ; (4) Bible Knowledge—1 Kings to 2 Chronicles and Acts of the Apostles, writing from memory of sayings of our Lord selected from the four Gospels. (The selection must contain 500 words at least, and should be submitted one month beforehand to the Clerk of Presbytery.)

3. *For Students entering on their Third Year.*—(1) Hebrew—Davidson's Grammar, 1-49, and Psalms xc.-cv. ; (2) Greek—St John's Gospel to be read critically, with discussions as to date and authorship ; (3) Divinity—Confession of Faith, 16-33 (Macpherson's Handbook recommended), and "The History of Religions and their Apologetic Significance" ; (4) Bible Knowledge—Ezra to Psalms and Isaiah, writing from memory of passages selected from Psalms and Isaiah. (The selection must contain 500 words at least, and should be submitted one month beforehand to the Clerk of Presbytery.)

Note.—The Hebrew translation and the Apologetics for Students entering on their third year will each year be taken from the work prescribed for the B.D. Examination.

4. *For Candidates for Licence*.—Scriptures of the Old and New Testaments, and History and Doctrine of the recognised Standards of the Church of Scotland.

GEORGE T. JAMIESON, *Presbytery Clerk*.

III. THE EDINBURGH UNIVERSITY UNION.—*President*—Stephen Forrest, M.A. *Hon. Secretary*—J. B. Forbes Watson, M.A. *Assistant-Secretary*—Mark S. Fraser. *Treasurer*—J. Walker, C.A., 25 Frederick Street. The *Committee of Management* consists of members from the *Senatus*, the *General Council*, and *Matriculated Students*.

The Union is open to all Students and Graduates of the University, and its purpose is "the provision and maintenance of means of social and academic intercourse for its members." The Buildings occupy a situation near both the New and the Old University Buildings, and with the extensions which have been erected will cost £37,000. The rooms include a large debating hall (capable of holding 500 persons), in which debates and numerous social functions are held during the Winter Session, a spacious dining hall, and a large library, with galleries specially adapted for study. There are also large conversation, reading and writing rooms, various committee rooms, billiard room with four billiard tables, and smoking-room. The reading-rooms are amply supplied with newspapers, and with the weekly, monthly, and quarterly periodicals. The library contains University and Class Text-Books. In addition there are also two "fives" courts, a thoroughly modern kitchen and service accommodation, and a well-situated conservatory and roof garden.

Terms of Membership.—1. Matriculated Students: entrance fee of 5s., and, up to 30th September 1906, an annual subscription of 10s. 6d., thereafter to be £1, 1s. 2. Graduates, University Assistants, or Lecturers: entrance fee of 5s., and, up to 30th September 1906, an annual subscription of £1, 1s., thereafter to be £2, 2s.

Various University Societies have been granted certain privileges for the transaction of business in the Union, and some are affiliated to it.

A system of corresponding membership exists with the University Unions of Oxford, Cambridge, Durham, Owen's College, Manchester, Glasgow, Aberdeen, and St Andrews.

Debates are held during the Winter Session, including Inter-University debates with Cambridge Union Society and Glasgow University Union, St Andrews, and Aberdeen.

The membership is at present 1200, of whom 1000 are student members.

IV. STATISTICS OF THE RECTORIAL ELECTIONS, 1859-1905.

Matriculated Students.

1859.—Gladstone, 642.—Neaves, 527	.	.	1302.
1862.—Gladstone (unopposed)	.	.	1331.
1865.—Carlyle, 657.—Disraeli, 310	.	.	1288.
1868.—Moncreiff, 607.—Ruskin, 425	.	.	1398.
1871.—Maxwell, 594.—R. Palmer, 502	.	.	1533.
1874.—Derby, 770.—Playfair, 583	.	.	1767.
1877.—Hartington, 932.—Cross, 684	.	.	2102.
1880.—Rosebery, 1024.—Christison, 985	.	.	2496.
1883.—Northcote—Blackie—Trevelyan	.	.	2660.
1886.—Iddesleigh, 1094.—Playfair, 747	.	.	2680.
1887.—Lothian (unopposed)	.	.	2493.
1890.—Goschen, 1378.—Russell, 805	.	.	3038.
1893.—Robertson, 1145.—Reay, 728	.	.	2649.
1896.—Balfour, 990.—Haldane, 771	.	.	2414.
1899.—Dufferin, 943.—Asquith, 686	.	.	2416.
1902.—Finlay, 916.—Grey, 621	.	.	2475.
1905.—Haldane, 877.—Dunedin, 847	.	.	2643.

V. STATISTICS OF PARLIAMENTARY ELECTIONS.

- 1868.—Voted in Edinburgh—Playfair, 1753; St Andrews, 569—total, 2322. Campbell Swinton—Edinburgh, 1510; St Andrews, 557—total, 2067. Majority for Playfair, 255. No. of Voters on Register—Edinburgh, 3652; St Andrews, 1228—total, 4880.
- 1873.—Playfair (unopposed).
- 1874.—Do. (do).
- 1880.—Playfair—Edinburgh, 1981; St Andrews, 541—total, 2522. Bickersteth—Edinburgh, 1638; St Andrews, 810—total, 2448. Majority for Playfair, 74. No. of Voters on Register—Edinburgh, 4386; St Andrews, 1580—total, 5966.
- 1885.—Macdonald—Edinburgh, 2051; St Andrews, 789—total, 2840. Erichsen—Edinburgh, 1985; St Andrews, 468—total, 2453. Majority for Macdonald, 387. No. of Voters on Register—Edinburgh, 5158; St Andrews, 1507—total, 6665.
- 1886.—Macdonald (unopposed).
- 1888.—Stormonth Darling (unopposed).
- 1890 and 1892.—Pearson (unopposed).
- 1896.—Priestly (unopposed).
- 1900.—Tuke (unopposed).
- 1906.—Tuke—Edinburgh, 4212; St Andrews, 681—total for Tuke, 4893. Strachey—Edinburgh, 1967; St Andrews, 343—total for Strachey, 2310. Majority for Tuke, 2583. No. who voted in the Election, 7203. No. on Edinburgh Register, 9870; No. on St Andrews Register, 1554—total, 11,424.

VI. THE EDINBURGH VACATION COURSES IN MODERN LANGUAGES (English, French, and German) will be again held within the University in August next. They consist of about sixty Lectures and Practical Lessons in each of the three languages, given by a staff of about fifty professors, lecturers, and teachers, among whom are several of European fame. Certificates of proficiency granted to meritorious students are recognised by the Scotch Education Department. The Council numbers about 100 members, and the Courses are under the patronage of the Lord Provost and City of Edinburgh, the Principal of the University, the Secretary for Scotland, Lord Reay, Lord Balfour of Burleigh, and Dr Struthers, C.B. (Scotch Education Department). *Hon. Secretary*—Professor Kirkpatrick, LL.D. ; *Assistant Secretary*—Mr T. F. Harley, University.

VII. ROYAL MEDICAL SOCIETY, EDINBURGH, 7 Melbourne Place. FOUNDED 1737. ROYAL CHARTER GRANTED 1778. *Presidents*—J. M. Graham M.B., Ch.B. ; R. A. Chambers, M.B., Ch.B. ; J. D. Wells, M.B., Ch.B. ; A. W. Mill, M.B., Ch.B. *Secretaries*—T. Graham Brown, B.Sc., and A. M. Drennan. *Treasurer*—W. Macrae Taylor, M.B., C.M. *Sub-Librarian*—A. P. Ormiston.

The Society meets in its hall every Friday evening during the Winter at 9 o'clock. At these meetings dissertations on medical subjects are read and debated, and communications by members on subjects of interest discussed. The Society possesses a very fine library, containing about 30,000 volumes, which is constantly being added to, the catalogue of which was brought up to date in 1896. There are comfortable writing and reading-rooms with all the medical journals and periodicals, books of reference and text-books specially useful to students reading for examinations. The museum contains a complete collection of *Materia Medica* specimens, microscopic sections, pathological preparations, herbarium, and a surgical model, on which bandaging, setting of fractures, &c., may be practised.

VIII. FRANCO-SCOTTISH SOCIETY. Inter-Academic Society for advising and assisting French students in Scotland and Scottish students in France. *Hon. Secretary and Treasurer*—J. W. D. Kirkland, S.S.C., 20 George Street, Edinburgh.

IX. INTERNATIONAL-ACADEMIC COMMITTEES. A Committee appointed by the Senatus, consisting of Professor Kirkpatrick (*Convener*), The Principal, Professors Chrystal, Eggeling, Sir L. J. Grant, Bart. (Secretary of Senatus), Dr Sarolea and Dr Schlapp, and also the International-Academic Committee of the Students' Representative Council, under the Convenership of Mr J. B. Forbes Watson, M.A., will be happy to give information and advice to Foreigners desirous of studying in the University of Edinburgh, and to Edinburgh University Students intending to study in foreign universities. Inquiries may be addressed to either of these Committees.

The Committee of the Students' Representative Council also maintains a unique system of International Academic Consuls at the chief European Universities, to whom it issues Letters of Introduction.

X. ASSOCIATION FOR THE BETTER ENDOWMENT OF THE UNIVERSITY OF EDINBURGH. *President*—The Right Hon. Arthur James Balfour, D.C.L., LL.D., M.P., Chancellor of the University. *Vice-Presidents*—The Right Hon. The Earl of Wemyss, LL.D.; The Right Hon. The Earl of Rosebery, K.G., K.T., LL.D.; Principal Sir William Turner, K.C.B., D.C.L.

Ordinary Members of Committee—R. Fitzroy Bell, Esq., Advocate; Walter B. Blaikie, Esq.; Professor Crum Brown, M.D.; Emeritus-Professor Butcher, LL.D.; Professor Chiene, C.B., F.R.C.S.E.; D. Christison, Esq., M.D.; Archibald Constable, Esq.; Sir Henry Cook, W.S.; Charles Cook, Esq., W.S.; Donald Crawford, Esq., Advocate; The Hon. Lord Stormonth-Darling, LL.D.; The Rev. Archibald Fleming; John Harrison, Esq.; A. Taylor Innes, Esq., Advocate; The Right Hon. Lord Kinnear, LL.D.; Emeritus-Professor Laurie, LL.D.; Æ. J. G. Mackay, Esq., LL.D., K.C.; Sir Andrew Mure; Professor Seth Pringle Pattison, LL.D.; George Smith, Esq., LL.D., C.I.E. *Hon. Secretary*—Sir Alexander Christison, Bart., M.D. *Secretary*—Robert G. Scott, W.S., 6 Hill Street, Edinburgh.

Local Honorary Secretaries—A. Mercer Adam, Esq., M.D., Boston, Lincolnshire; Sir Dyce Duckworth, M.D., 11 Grafton Street, Piccadilly, London; A. F. Hutchison, Esq., Stirling.

Terms of Membership—Life Subscription, One Guinea; no annual subscription. All friends of the University are invited to become members.

XI. UNIVERSITY SOCIETIES AND CLUBS.

i.—**ASSOCIATED SOCIETIES OF THE UNIVERSITY.** This Association was instituted in 1833, and is a Union of Literary and Debating Societies. It is composed at the present date of five societies:—The Dialectic, Scots Law, Diagnostic, Philomathic, and Celtic Societies. The following is the list of the office-bearers of the Association, and of the respective component societies:—

Honorary President—The Right Honourable J. H. Choate, LL.D. *Hon. Vice-Presidents*—The Senatus Academicus of the University (*ex officiis*). *Honorary Secretary*—J. Eadie Todd, University Union.

(1) **DIALECTIC SOCIETY OF EDINBURGH. INSTITUTED IN 1787.** *Presidents*—J. P. Macgregor, A. Baldie, A. C. Court, W. A. Low, Ian Mackay *Hon. Secretary*—G. H. Davies. *Hon. Treasurer*—J. Roddick.

The Society meets in the Associated Societies' Hall every Thursday evening at 8 o'clock, for the prosecution of Literary and Philosophical Composition, Criticism, and Debate.

(2) SCOTS LAW SOCIETY. INSTITUTED IN 1815. *Presidents*—D. Oswald Dykes, M.A., LL.B., Advocate; William Brotherston, W.S.; George Rennie, Solicitor. *Secretary*—William Blackstock, Solicitor, 30 Queen Street. *Assistant-Secretary*—John Stewart, Solicitor, 6 Alva Street. *Treasurer*—J. S. Bayne, Solicitor, 55 Constitution Street, Leith.

This Society meets every Monday evening during the Winter Session, at 8.30 o'clock, in the Associated Societies' Hall, University, for the purpose of debating Legal and Speculative Questions and reading Essays.

(3) DIAGNOSTIC SOCIETY. INSTITUTED IN 1816. *Presidents*—Wm. Lowson, M.A.; C. Forbes Ridland; W. M. Smail; R. C. Alexander, M.A. *Secretary*—J. Eadie Todd, University Union. *Treasurer*—J. C. Cunningham.

This Society meets in the Associated Societies' Hall on Tuesdays, at 8.30 P.M., for the purposes of debate and essay reading.

(4) PHILOMATHIC SOCIETY. INSTITUTED IN 1858. *Presidents*—J. H. Jagger, B.A.; A. Mact. Pirrie, B.Sc.; G. Cruickshanks. *Secretary*—J. Cossar, 53 Belford Road, Edinburgh. *Assistant-Secretary*—D. Macnair. *Treasurer*—J. Brander.

This Society meets in the Societies' Hall every Friday evening during the Winter Session, at 8 P.M., for the purposes of debate and essay reading; and is open to all gentlemen who are, or have been, Matriculated Students of the University of Edinburgh.

(5) CELTIC SOCIETY. INSTITUTED 1848. *Hon. President*—Alex. Carmichael, Esq. *Presidents*—John Bain, Martin MacRae, and Geo. Henderson. *Secretaries*—J. Allan and Lloyd Hughes. *Treasurer*—Alexander T. Ewing.

This Society meets every Saturday evening during the Winter Session, at 7 o'clock P.M. Students from the Highland Counties and students with Celtic sympathies or connections are specially invited.

ii.—SCIENCE ASSOCIATION. INSTITUTED 1904. This Association is a Union of the Agricultural, Chemical, and Engineering Societies. In addition to the ordinary meetings of the several Societies, special lectures by eminent Scientists will be arranged for.

The following is a list of the office-bearers of the Association and of the component Societies for the present session:—*Honorary President*—The Right Hon. Lord Kelvin, G.C.V.O., F.R.S. *Honorary Vice-Presidents*—R. Warrington, F.R.S.; Sir Wm. Ramsay, K.C.B., LL.D., D.Sc.; The Right Hon. Sir J. H. A. Macdonald, K.C.B., LL.D., F.R.S. *Honorary Secretary*—

(1) THE AGRICULTURAL SOCIETY. ESTABLISHED 1858. *Hon. President*—Professor Nicholson. *Presidents*—Mr N. K. Pillai and Mr W. E. Smith. *Secretaries*—Mr W. T. Stockley and Mr J. A. S.

Watson. *Treasurer*—Mr J. Lyford-Pike. *Delegates to Science Association*—Mr W. E. Smith and Mr R. M. Wilson. *Representative on S.R.C.*—Mr H. C. M'Kerrol.

The Society meets weekly during the Winter Session, the day and hour being arranged at the first meeting in each session.

(2) CHEMICAL SOCIETY. INSTITUTED 1874. *President*—Professor Crum Brown. *Vice-Presidents*—Mr W. Anderson, M.A., Dr W. W. Taylor, Mr C. Norman Kemp, Miss I. M. Towers, M.A. *Librarian*—Mr T. F. Cowie, A.I.C. *Secretary*—Mr W. S. Millar, M.A., B.Sc. *Treasurer*—Mr A. M. Cameron.

This Society holds fortnightly meetings, at 8 P.M., in the Chemistry Tutorial Class-Room, New Buildings, during the Winter Session, for the reading and discussion of papers on Chemistry and allied Sciences. Meetings may be held during the Summer Session.

Excursions to Chemical Works, &c., during the sessions.

(3) ENGINEERING SOCIETY. INSTITUTED 1901. *Joint-Presidents* C. W. Macfie and T. Rowatt. *Joint-Secretaries*—R. D. Given and Ian Sutherland. *Treasurer*—Professor F. G. Baily.

This Society holds meetings during the Winter Session on alternate Thursdays, at 8 P.M., for the reading and discussion of papers on subjects of Engineering interest, and the Society possesses a reading-room, supplied with the leading technical journals.

Excursions to Engineering Works are arranged.

iii.—ATHLETIC CLUB. *President*—J. L. Wood, Esq. *Vice-President*—R. S. Steuart, Esq. *Hon. Secretary*—G. M. Melville, Esq. *Hon. Treasurer*—H. M. D. Watson, C.A., 13 Rutland Square.

Open to all Members and Graduates of the University, and to Members of the Extra-Mural School.

All communications should be addressed to the Hon. Secretary, E.U. Athletic Club, University Union, or to the Treasurer, 13 Rutland Square.

iv.—CAITHNESS STUDENTS ASSOCIATION. INSTITUTED IN 1856. *Hon. President*—His Grace the Duke of Portland. *President*—D. M. Grant. *Secretary*—L. M. Grant. *Treasurer*—J. A. Turner Kennedy.

This Society is open to Caithness students in Edinburgh. The Society meets fortnightly, in the Old Education Class-Room, on Saturdays, at 7 P.M., for the purpose of debating.

v.—CLASSICAL SOCIETY. FOUNDED 1898. *Hon. Presidents*—The Professors of Greek and Latin. *President*—G. S. Robertson. *Secretary*—J. M. Thomson. *Treasurer*—Miss Whyte.

The object of the Society is to further Classical study, and to promote social intercourse amongst Classical students in the University of Edin-

burgh. The Society meets every three weeks on Monday evenings at 8 o'clock, for essays, debates, and discussions in the Sellar and Goodhart Library. Membership is open to past and present Classical students of the University of Edinburgh.

vi. — DUMFRIESSHIRE AND GALLOWAY LITERARY SOCIETY. INSTITUTED 1847. *Presidents*—D. Breckenridge (senior), H. P. Robertson, D. L. MacKenna. *Joint-Secretaries*—J. Crocket, 10 Gillespie Crescent; T. D. Meredith, 134 Brunton Gardens. *Treasurer*—D. A. Rae.

This Society is open to all students who are connected with Dumfriesshire or Galloway, or to such others as may be admitted by unanimous consent at an ordinary meeting of the Society. The Society meets in the Public Law Class-Room of the University every Saturday during the Winter Session, at 7 P.M. Annual subscription, 2s. 6d.

vii. — FRENCH SOCIETY. *Honorary President*—Dr Sarolea. *Hon. Vice-Presidents*—Emeritus-Professor Butcher and Emeritus-Professor Laurie, Professors Chrystal, Saintsbury, Kirkpatrick, Dr Schlapp. *President*—Mr Greig. *Vice-President and Treasurer*—Mr Allan. *Secretary*—Miss Shirlaw.

The object of the Society is the furtherance of the study of French, and of social intercourse among the students of French in Edinburgh University. The business consists of papers, debates, &c. The Society meets fortnightly. Annual subscription, 2s. 6d.

viii. — GERMAN SOCIETY. INSTITUTED 1899. *Hon. President*—Dr Otto Schlapp. *Hon. Vice-Presidents*—Professors Chrystal, Kirkpatrick, Niecks, Pringle Pattison, Patrick, and Hume Brown, Emeritus-Professor Butcher, Professor Macgregor, Drs Sarolea, Cunningham, Scholle, Ferguson, Lees, and Miss Gibson. *President*—C. J. Sisson. *Vice-President and Treasurer*—Miss F. T. Jameson, 10 Millerfield Place. *Secretary*—Miss Cameron, 51 Warrender Park Road. *Assistant-Secretary*—Miss M. D. Roberts, 17 Dalrymple Crescent.

This Society exists for the purpose of uniting in social intercourse the students of German in the University, and for promoting the study of German.

During the Winter Session, papers are read on topical subjects, while debates, dramatic recitals, and social meetings, form other features of the programme. Past or present members of the University are eligible for membership. Annual subscription, 2s. 6d.

ix. — EDUCATIONAL SOCIETY. INSTITUTED 1904. *Hon. Presidents*—Emeritus-Professor Laurie, Professor Darroch. *Hon. Vice-Presidents*—

President—J. Thomson. *Vice-Presidents*—G. Pintner, J. L. S. Smith. *Secretary*—J. M. Hutcheon. *Assistant-Secretary*—Miss Macdonald. *Treasurer*—M. Thomson.

This Society meets every three weeks during the Winter Session on Thursday at 7 P.M. in the Public Law Class-Room, for the purpose of debating, for reading essays, and for the furtherance of interest in education.

All communications should be addressed to the Secretary, High Street, Lasswade.

x.—HISTORICAL SOCIETY. INSTITUTED 1897. *Hon. Presidents*—Prof. Kirkpatrick, Prof. Lodge, Prof. Hume Brown, Mr Heatley. *Presidents*—W. R. Cooper (senior), J. Davidson, Miss Gordon. *Secretary*—B. K. Das. *Assistant-Secretary*—J. Grant. *Treasurer*—Miss Stuart.

This Society meets in the History Library every Wednesday evening, at 8 P.M., beginning on the second last Wednesday in October, and ending on the first Wednesday in March, for the purpose of historical study and research, and of debating problems chiefly in mediæval and modern history. Members of the Society are entitled to the use of the History Library. Subscription, 2s.

xi.—MISSIONARY ASSOCIATION. INSTITUTED 1825. *Honorary President*—Rt. Hon. R. B. Haldane, M.P. *Hon. Vice-Presidents*—Rev. Prof. Paterson, D.D.; Rev. Prof. Patrick, D.D.; Rev. Prof. Taylor, D.D.; Rev. Prof. Kennedy, D.D. *President*—J. Kellie, M.A. *Vice-President*—J. W. Oastler, M.A. *Honorary Treasurer*—W. Melvill Sym, Esq., C.A., 49 Castle Street. *Secretary*—J. Pinkerton, M.A. *Assistant-Secretary*—W. K. Grant, M.A. *Librarian*—G. E. Dodd, M.A.

The Association meets in the Theological Library on alternate Mondays, at 3 P.M.

xii.—STUDENT VOLUNTEER MISSIONARY UNION (Edinburgh Branch).—The ranks of this Association are open to all Students who look forward to engaging in Foreign Missionary Work and who sign the declaration of the Union—"It is my purpose, if God permit, to become a foreign Missionary." Its objects are to band such students together and to bring the claims of the Foreign Mission Field before other Christian students. It seeks to promote systematic study of Missions—and together with the University Christian Union arranges for a series of Missionary Study Bands.

For information apply to the Secretary, 19 Marshall Street.

President—J. K. A. Hofmeyer, B.A. *Secretary*—J. H. Lechler, University Union. *Assistant-Secretary*—J. Smyth. *Treasurer*—F. Henderson, M.A. *Office*—19 Marshall Street.

xiii.—MUSICAL SOCIETY. FOUNDED 1866-67. *Patron*—The Right Honourable the Earl of Rosebery, K.G., K.T. *President*—Professor Niecks, Mus.D. *Vice-Presidents*—Principal Sir William Turner, K.C.B.; Professors Annandale, Crum Brown, Hepburn, Kirk-

patrick, Lodge, MacGregor, Pringle Pattison, Schäfer, Wallace, and Wyllie. *Hon. or Corresponding Vice-Presidents*—The President of Aberdeen University Musical Society; Professor Villiers Stanford, Cambridge; and Professor Prout, Dublin. *Hon. Secretaries*—E. W. Dyer and J. H. Peek, University Union. *Hon. Treasurer*—C. G. Knott, D.Sc. *Conductor*—James A. Moonie. The Chorus (male and female) meets for practice weekly in the Music Class-Room, Park Place, on Tuesdays, at 5.10 P.M. Subscription, 2s. 6d. Annual Concert first Friday in March.

xiv.—ORCADIAN ASSOCIATION. INSTITUTED 1902. *Hon. President*—Wm. Peddie, D.Sc. *President*—Ernest T. Skae. *Vice-President*—Alfred J. Gray. *Secretary*—Edith M. Porteous, 7 Marchmont Cres. *Assistant-Secretary*—T. Hutton Heddle. *Treasurer*—J. L. Harcus.

The Association meets in the Celtic Class-Room during the Winter Session on Saturday evenings, commencing at 7 P.M.

xv.—PHILOSOPHICAL SOCIETY. INSTITUTED 1871. This Society meets in the Honours Class Reading-Room on Wednesday evenings at 8.15, during the Winter Session, for Philosophical Criticism and Investigation. *Hon. Secretary*—William Johnstone, M.A., 44 Rankeillor Street.

xvi.—PHYSIOLOGICAL SOCIETY. INSTITUTED 1904. *President*—Professor Schäfer. *Vice-Presidents*—Dr Herring, Dr Marshall, Messrs W. A. Jolly, and C. A. Thelander. *Secretary*—Alex. Gibson, 15 Scotland Street. *Assistant-Secretary*—James Robertson, The Union. *Treasurer*—W. G. Evans, The Union.

Membership may be conferred upon all candidates who are, or have been, matriculated students of this or other Universities. Subscription, 2s. 6d.

Meetings are held in the Physiology Class-Room—six or more in the Winter Session, and four or more in the Summer Session—for papers and demonstrations.

xvii.—PHOTOGRAPHIC SOCIETY. FOUNDED 1890. *President*—Dr Drinkwater. *Vice-President*—E. M. Horsburgh. *Hon. Secretary*—Harold C. Simpson. *Delegate to Federation*—W. D. Wilmot.

This Society has a fully-equipped dark room in the Union. The annual Exhibition is held in November. A "Lantern Evening" is also held. Excursions in summer.

The annual subscription is 2s. 6d., and full particulars may be obtained from the Secretary, the Union, or any of the office-bearers.

xviii.—NO. 4 (UNIVERSITY) COMPANY, THE QUEEN'S RIFLE VOLUNTEER BRIGADE, THE ROYAL SCOTS. FORMED 1859. *Captain*—A. Campbell Geddes, M.B., Ch.B., 4 Rutland Square. *Lieutenants*

—J. Bruce, 59 Great King St. ; H. Bruce Low, 27 Mayfield Gardens ; and L. H. F. Thatcher, 8 Melville Crescent.

The Company is the oldest Volunteer corps in the University, and the first formed company in Scotland. It is open to past and present members of the University. It numbers 140, possesses a Maxim gun, and entrenching tools, and has numerous shooting prizes. Company training is spread over winter and summer to suit all. Numerous field days are held, and instruction given in engineering and signalling. The Company has a marching camp of its own every May, and goes in summer under canvas with the 32nd Brigade in the 6th (Scottish) Army Corps. The new service uniform of khaki, with slouch hats and puttees is worn. University men wishing to join can get information from any of the officers. Recruits taken at any time. Particular attention is given to training men to be future officers of H.M. forces.

xix. "H" COMPANY, 9TH V.B. (HIGHLANDERS) THE ROYAL SCOTS. *Captain*—D. H. Huie, 5A York Place. *Lieutenant*—F. R. Lucas, University Union. *Colour-Sergeant*—G. S. G. Strachan, 68 Queen Street.

The 9th Volunteer Battalion (Highlanders) The Royal Scots is the only Volunteer battalion in Edinburgh wearing the Highland uniform. It is largely composed of Highlanders resident in Edinburgh. All British students at the University are eligible to join "H" Company. The uniform and arms are supplied free of charge, and the only annual subscription is five shillings payable before the end of November. Full particulars may be obtained at headquarters, 7 Wemyss Place, or from the members.

The Orderly Room, 7 Wemyss Place, is open for enrolment of volunteers from 10 A.M. till 2 P.M., and from 7 P.M. till 9 P.M., and on Saturdays from 10 A.M. till 1 P.M.

xx.—UNIVERSITY BATTERY, 1ST E.C.R.G. ARTILLERY VOLUNTEERS. *Captain*—F. P. Dods. *Lieutenants*—R. G. Gordon, H. Howden. *Battery Quartermaster-Sergeant*—O. Russell. *Hon. Secretary and Treasurer*—Corporal G. G. Jolly, University Union.

The Battery, which is armed with 4.7 guns, drills in the Waverley Market during the session on Tuesdays and Fridays at 5.15 P.M. Two opportunities are afforded of going to camp—in May and July—and all expenses are covered by Government. During the summer there is carbine shooting for which several medals and prizes are offered. Men have to join for three years at least, and all equipment is provided free. A course of Riding Lessons is given free to the Sergeants, and can be obtained at reduced rates by other members of the Battery. At camp the sergeants and drivers are mounted. The Battery has held the 4.7 inch Artillery Championship of Scotland for the past three years. It also gained second place in the Competition for the Heavy Artillery Championship of Great Britain, held at Shoeburyness, 1905.

xxi.—SCOTTISH INTER-UNIVERSITY RIFLE MATCH. INSTITUTED 1880. *Edinburgh Committee*—Major J. A. Hope, 19 Charlotte Square ; Captain A. C. Geddes ; Lieutenant F. Ramage, Q.R.V.B., R.S. ; Lieutenant R. G. Gordon, E.C.V.A. *Hon. Secretary*—

The Union.

The Inter-University Challenge Trophy is shot for annually by the four Scottish Universities at Edinburgh, Glasgow, Montrose, and Aberdeen in rotation. Each University sends a team of ten men, of whom at least five must be matriculated students at the date of the match, and the remainder must have attended a class in the University for at least one session. Students willing to shoot are requested to communicate with the Secretary.

xxii.—RIFLE COMPANY SHOOTING CLUB. INSTITUTED 1873. *Honorary Presidents*—Lieut.-Colonel Sir Wm. Turner, Professor Bayley Balfour, and Major Hope. *President*—Captain Geddes. *Vice-Presidents*—Lieutenants Bruce and Bruce Low. *Secretary*—Sergeant Bruce, The Union. *Treasurer*.—Lance-Corporal Watson, The Union.

This Club is open to members of No. 4 (University) Company, Q.R.V.B., R.S. The Club superintends the shooting of the Company. Weekly competitions are held at Hunters' Bog, and an Annual Prize Competition in July, at which numerous prizes are given. A silver teaspoon is given for each weekly competition.

xxiii.—EDINBURGH UNIVERSITY CHRISTIAN UNION. The object of the Union is to form a bond of union between students, whose principles and aims in life are Christian, and to promote the spread of Christ's Kingdom in Edinburgh.

It welcomes as members all students at the University or School of Medicine, who acknowledge Jesus Christ as God the Son, and only Saviour of the world.

The Branches of the Christian Union's work are very varied. There are Bible Circles (*i.e.* groups of men meeting together week by week for the study of God's Word) ; as well as Missionary Circles and Prayer Meetings (daily and weekly). The more directly aggressive form of Christian work is provided by services which members conduct in the Wards of the Royal Infirmary and of the Poorhouses and also by social work carried on in the slums of the city.

The Christian Union is affiliated to the Student Christian Movement of Great Britain and Ireland, and, through it, forms part of the World's Student Christian Federation, which links together the student movements in twenty-two different countries.

The office-bearers are as follows :—*Honorary President*—Dr Barbour. *President*—J. Nelson. *Vice-President*—J. F. Alexander, M.A. *Hon. General Secretary*—J. G. Nicholson, M.A. *Assistant-Secretaries*—*Arts* : G. H. Ogilvie ; *Medical* : E. W. Kirk. *Offices*—19 Marshall Street.

xxiv.—THE SUMMER DEBATING SOCIETY. INSTITUTED 1903.
Presidents—A. S. I. Logan, J. C. Cunningham, J. Wales Cameron.
Secretary—Oliver Russell, M.A. *Treasurer*—Miss Fairfield. *Assistant-Secretary*—Miss Mary Low, M.A.

The Society meets every Wednesday evening during the Summer Session, at 8 o'clock, in the Associated Societies' Hall, for the purpose of holding debates. The membership is open to all who have matriculated at Edinburgh University.

xxv.—THEOLOGICAL SOCIETY. INSTITUTED 1776. *Honorary Presidents*—Rev. Professor Taylor, D.D.; Rev. Professor Kennedy, D.D.; Rev. Professor Patrick, D.D.; Rev. Professor Paterson, D.D. *Senior President*—R. T. Monteith, M.A. *Presidents*—J. Kellie, M.A.; J. A. A. Baker, M.A.; A. Downie, M.A. *Secretary*—H. L. Stewart, M.A., Divinity Hall. *Treasurer*—J. W. Oastler, M.A.

Membership is open to present and to past male Students of Theology at this University. The Society meets in the Theological Library on Friday evenings during the Winter Session, at 8 P.M., for essays, debates, and discussions on subjects of Theological and Ecclesiastical interest.

xxvi.—TEMPERANCE SOCIETY. INSTITUTED 1853. *Hon. President*—Emeritus-Prof. Simpson, M.D. *Hon. Vice-Presidents*—Rev. Principal Rainy, D.D.; Rev. Prof. Kennedy, D.D.; Emeritus-Prof. Charteris, D.D.; Sheriff Guthrie, K.C.; Dr J. O. Affleck; Dr T. Brown Darling; Dr Sargood Fry; Dr A. G. Miller; R. K. Orr, Esq., K.C.; Dr P. A. Young. *Hon. Treasurer*—Hugh J. Hope Gill, C.A. *Hon. Auditor*—R. S. Craig, LL.B. *President*—W. H. Elder. *Vice-President*—Miss J. W. C. Waltenberg. *Secretary*—Kenneth Fraser, University Union. *Assistant-Secretary*—Miss Davies, 12 George Square. *Treasurer*—Miss Robinson, 12 George Square.

Membership is open to all students, and implies total abstinence from alcohol as a beverage, for the year of enrolment. Annual subscription, 2s. 6d.

xxvii.—UNITED FREE CHURCH STUDENTS' SOCIETY. FORMED 1900.

This Society meets on Saturday evenings in the Moral Philosophy Class-Room, at 7 P.M.

Membership is open to all past or present Students of the University, or of any extra-mural College or School recognised by the University; provided such Students are members or adherents of the United Free Church. For further particulars, see the Hand-book.

xxviii.—WOMEN'S CHRISTIAN UNION. *Office*—6 North Block, Waverley Buildings. *Honorary President*—Miss F. Simson, M.A. *Hon. Vice-Presidents*—Mrs Baldwin Brown, Mrs Calderwood, Mrs Charteris, Mrs John Kelman, Mrs Kennedy, Mrs Crichton Miller,

Miss Nairn, M.A., Mrs Sandeman, Mrs Whyte, Mrs Hardie, Miss Fleming, Mrs Duncan, Mrs Simpson, Miss Small. *President*—Miss M'Michael. *Vice-Presidents*—Miss Halden, Miss Waugh. *Secretary*—Miss C. M. Maclean, University.

The aim of this Union is to unite women students in Christian work and fellowship. Meetings are held for Bible and Missionary study; Mission work is engaged in, and assistance given in Ward services. Membership is open to all matriculated women students of Edinburgh University, past and present, who desire to promote these aims.

xxix.—WOMEN'S DEBATING SOCIETY. INSTITUTED 1893. *Senior President*—Miss C. M. Gordon. *Presidents*—Miss Moodie and Miss Mitchell. *Secretary*—Miss Esther Bell, 9 Dryden Place. *Treasurer*—Miss Margaret Moore.

The Society meets every second Friday during the Winter Session, in the Associated Societies' Hall at 5 P.M., for debate and literary criticism. The membership is open to all women who have matriculated at Edinburgh University.

RESIDENCES AND BOARD FOR STUDENTS.

(*Not under the control of the University Authorities.*)

I. FOR MEN STUDENTS.

UNIVERSITY HALL, ST GILES' HOUSE (22 St Giles' Street); RAMSAY LODGE (Ramsay Garden); and BLACKIE HOUSE (8 North Bank Street): LISTER HOUSE (2 Mound Place). University Hall is designed as a social residence for Students, Graduates, and others connected with the University. The above houses are all within five minutes' walk of the University; they include common rooms, private studies, and bedrooms. The rents range from 8s. to 18s. per week, payable by term or monthly in advance, and the board averages about 13s. per week, payable at the end of each fortnight.

The external affairs of the Hall are in the hands of The Town and Gown Association, Limited.

The internal arrangements of each house are managed by a committee of the residents elected monthly.

MILNE MURRAY LODGE. This house is set aside for those studying Midwifery. The house is attached to the Maternity Hospital, of which it is in effect the residence. The house accommodates twelve residents, and the time of residence is limited to one month.

Application for rooms should be made at the different houses. Application for information with regard to general questions on University Hall should be made to Messrs Whitson & Methuen, C.A., 21 Rutland Street, Edinburgh.

RAMSAY GARDEN. This house is conducted as a Hostel for Students, &c., the number at present being limited to eight. Special supervision can be given and tuition arranged for, if desired. Application for particulars, terms, references, &c., to be made to the House Tutor, the Rev. A. T. Bell.

Mr Macmillan, M.A., M.B., D.Sc., 48 George Square, receives Students as boarders, whom he prepares for the Preliminary and for the Medical Professional Examinations.

II. FOR WOMEN STUDENTS.

(1)—MASSON HALL, 31 GEORGE SQUARE. INSTITUTED 1897. *Hon. President*—Principal Sir William Turner, K.C.B. *President*—Miss Houldsworth. *Hon. Treasurer*—Miss S. E. S. Mair. *Warden*—Miss F. H. Simson, M.A. *Hon. Secretary*—Miss Louisa Stevenson, 13 Randolph Crescent, Edinburgh.

This Hall is situated in convenient proximity to the University and Medical Schools.

Non-resident students may become members of the Hall by a small annual subscription, and have access to the Library and to the Dining-Hall where meals are provided at moderate rates.

Terms for Board and Residence may be had on application to the Warden. A room for Students' Meetings can be provided by arrangement.

(2)—THE MUIR HALL FOR STUDENTS OF MEDICINE, 12 GEORGE SQUARE. *President*—Sir William Turner, K.C.B. *Vice-Presidents*—Mrs Findlay of Aberlour; Rt. Hon. Lord Pearson. *Hon. Treasurer*—Mrs J. P. Watson. *Hon. Sec.*—Miss Inglis, M.B., C.M. *Lady Superintendent*—Miss Robertson.

The Hall is managed by a Lady Superintendent, is under the direction of a Committee of Management, and contains three Common Rooms, besides Private Rooms for Residents, and Bath Rooms on each Floor. The Private Rooms are arranged as Study Bedrooms, and the charge varies according to the size and outlook, from 17s. to 25s. a week, including Board. Students who remain for examination after the Session has ended are charged 1s. 6d. a week extra. Half Rents during the Christmas and Spring Vacations, to Residents who wish to retain their Rooms. The Residents have the use of the Square Gardens, where there are Tennis Courts. For particulars apply to the Lady Superintendent.

General Index.

Arranged as far as possible under Faculties.

	PAGE		PAGE
Academic Costume.....	33	Arts, Faculty of—	
Accounts, University, Abstract of	619	Bursaries and conditions of	
Addresses of Professors	xxx	tenure—	
" Professors Emeriti.....	xxxii	Dow (24)	181
" Professors resigned	xxxii	Dundas (17).....	181
" Lecturers.....	xxxiii	Assoc. for Univ. Education	
Agricultural Society.....	650	of Women.....	224
Appeal for Funds	602	Houldsworth.....	224
Appointments Committee	166	Victoria Jubilee	224
Arts, Faculty of	2, 20, 66	Zetland	224
Academic Year	118	Fairbairn (66).....	183
Advice to Students regarding		Ford (10).....	180
Curricula	117	Fotheringham and Forrest	
Boards of Studies.....	125	(53)	182
Bursaries and conditions of		Fraser (18).....	181
tenure ¹ —		Fraser (Donald) (74).....	183, 226
Allan (65)	183	Gillan (55)	182
Angus Club (46).....	182	Glenbuck (68)	183
Ardvorlich (43).....	182, 222	Grant (21).....	181, 220
Argyllshire (42).....	182	Grierson (48).....	182, 221
Ayrshire (32).....	181	Harrison (38).....	182
Baxter of Balgavies (75) 183, 221		Heriot (1).....	180, 222
Blair (25).....	181	Heriot (for Women) (1).....	180, 223
Border Counties Association		Heriot (for Women study-	
and Sir Walter Scott (41).....	182	ing Medicine).....	180, 223
Brown (15).....	181	Heriot High School (1) 180,	
Bruce (29).....	181	222	
Bryson (13)	180	Heriot, St George Training	
Buchanan.....	224	College.....	223
Caithness Assoc. (34).....	181	Horsliehill Scott (37).....	182, 226
Callander and Trossachs (76) 183		Hume (19).....	181
Chrystie (12).....	180, 222	Jamieson (26).....	181
County Club and Private		Jardine (Bidder) (27).....	181
Bursaries.....	219	Jardine (Thorlieshope) (67)	
Cousin (72).....	183, 221	183, 221, 225, 226	
Cowan (44).....	182	Johnston, A. (2).....	180
Dalglish and Macmorran (8) 180		Johnstone, R. (5, 6).....	180, 222

¹ The figures in parentheses refer to the numbers of the Foundations.

	PAGE		PAGE
Arts, Faculty of—		Arts, Faculty of—	
Bursaries and conditions of		Bursaries and conditions of	
tenure—		tenure—	
Johnstone of Harthope (50)	182	Zetland, Earl of (54).....	182, 221
Lambert (51).....	182	Honours List for Bursaries,	
Lanarkshire (49).....	182	1905.....	167
Lanfine (79).....	183, 226	Open 1906-1907	218
Lennie (28)	181	Payable by Factor	227
London Inverness-shire Asso-		Classes, Programme of, and	
ciation (78).....	183	Fees	66
M'Diarmid (30).....	181, 222	Class Prize and Honour Lists	532
Macdougall (62).....	182, 224	Courses in Arts—	
M'Glashan.....	225	Astronomy.....	107
Mackenzie (69).....	183	Botany.....	107
Mackinnon (59)	182, 222	Celtic.....	89
Maclaurin (70).....	183	Chemistry	107
Mann (64).....	183, 221	Civil Law	116
Marshall (52).....	182	Classical Archaeology ..	82, 116
Masterton (77).....	183	Education	94
Maule (73).....	183, 221	English	83
Menzies (23).....	181	Fine Art.....	115
Millar (20).....	181, 222	French.....	85
Mitchell and Short (16)	181, 222	Geology	108
Newton (63).....	183, 226	German.....	87
Orkney and Zetland (47).....	182	Greek	80
Patrick (31).....	181, 220	Hebrew and Semitic Lan-	
Patterson (57).....	182	guages ..	88
Peeblesshire (33).....	181	History, Ancient (Classical)	82,
Penman, J. (9).....	180, 222	115	
Pringle and Wardrop (14)		" " (Scottish	
180, 222		and Palæography).....	112
Private Bursaries.....	219	" British	108, 114
Ramsay (11)	180	" Constitutional	110, 116
Renton (61).....	182, 226	" Ecclesiastical.....	116
Rhind (35).....	182	" European	108
Sibbald (45)	182, 220	" Mackay Lectures ..	114
Simson (71)	183, 224	" Roman	115
Simson (Dunbar) (40).....	182	Italian	86
Spence (39).....	182, 225	Latin	77
Stuart (22).....	181, 225	Logic and Metaphysics	89
Thomson (56).....	182, 220	Mathematics	97
Town Council.....	180, 219	Moral Philosophy	91
Trotter and Penman (3).....	180	Natural Philosophy	101
Tyndall Bruce (36).....	182, 225	Natural Theology	96
Weir, Jenkins, Hepburn,		Philosophy (Ancient).....	82, 91
and Lightbody (7).....	180	Philosophy of Law	96
Welsh, John (Carlyle) (58)		Physics (Experimental).....	105
182, 219		Political Economy	92
Whitelaw (60).....	182	Political Science.....	113
Wight, M'Call, and Christie (4)		Public International Law ..	116
180		Roman Law.....	116

	PAGE		PAGE
Arts, Faculty of—		Arts, Faculty of—	
Courses in Arts—		Prizes—	
Sanskrit and Comparative		Newton 192, 217	
Philology 88		Rector's.....195, 218	
Zoology 107		Scott and Dunbar.....196, 217	
Curriculum.....118		Open in 1906-1907.....217	
" for Women.....127		Payment of.....227	
Period of Study.....118			
Preliminary Examination.. 118		Scholarships—	
Fee, Dates of Entering, and		Arnott, Neil.....202, 217	
Time-Tables for Prelim.		Baxter (Sir D.), Mathematics	
135-138		198	
Joint Board of Examiners...521		,, Philosophical 198, 214	
Additional Regulns. by Joint		Baxter (J. E.) in Classics...199	
Board for Preliminary 522		,, in Mental Philosophy 199,	
Exams. accepted as equiva-		214	
lent for Preliminary.....525		,, in Mathematics 199	
Ordinary Degree of M. A.....121		Bruce, Classics.....199	
Fees for Exams. 138		,, Mental Philosophy .200,	
Dates of entering for Exams.138		214	
Time-Table of Exams.....140		,, Mathematics 200	
Outline of Examinations....143		Carnegie 213	
Honours Degree 122		Drummond.....199	
,, Outline of Exams. 150		Dunlop, Vans 203	
Graduates in 1905-1906. 177		Ferguson 202, 217	
,, with Honours, Lists of 171		Fettes Exhibitions.....201	
Sponsio Academica 171		Gilchrist.....201	
Special Study and Research 129		Gray 200	
Higher Degrees 130		Heriot Travelling, in Mod.	
D. Litt.....133		Languages.....210, 217	
D. Phil. 131		Kirkpatrick.....209, 217	
D. Sc. 130		Lang.....207	
Conferred 171		Mackay Smith.....207	
Fellowships—		Mackenzie 198	
Carnegie.....213, 217		MacLaren.....202	
Edmonstoune Aytoun 211		Macpherson.....208, 217	
Guthrie.....210, 214		Nichol 208	
Hamilton 210		Pitt Club 197	
Heriot 212		Rhind 201, 214	
Shaw 211		Ritchie 209, 217	
Open in 1906-1907.....214		Scott 207, 217	
Payment of.....227		Skirving 207	
Prizes—		Vans Dunlop Gen. Regs.....203	
Blackie (Celtic) 197		Classics 204	
Bruce.....196, 217		Commer. & Pol. Econ205, 216	
Cousin.....196, 217		Eng. Lit. and Poetry.....204	
Gladstone 197, 218		Hebrew 206	
Gray 196, 217		History 206, 216	
Hamilton.....197, 217		Logic and Metaphysics	
Kelland 196, 218		205, 215	
Neil Arnott.....202, 217		Mathematics 206, 216	

	PAGE		PAGE
Arts, Faculty of—		Clerks, Assistant	1, 10
Scholarships—		Clerk of Works	10
Vans Dunlop Scholarships—		Clubs, University	649
Moral Philosophy	206, 215	Copying at Exams., Penalties for	33
Nat. Philosophy	205, 215	Council, General, of the Uni-	
Sanskrit, &c.....	206, 216	versity.....	10, 27
Vacant 1906-1907.....	214	,, Gen. Med., Representative in	17
Payable by Factor	227	,, Students' Representative.....	29
Schoolmaster's Diploma.....	161	Courses of Lectures. <i>See</i> under	
Diplomas conferred, 1905-1906	179	the various Faculties.	
Assessors.....	1, 16	Court, University	1, 13
Assistants, University	6	,, Regulations of	34
Associated Societies	649	,, Abstract of Proceedings of...	630
" (Science).....	650	Curators of Patronage	2, 17
Association for better endowment		Curricula. <i>See</i> under the various	
of the University	649	Faculties, &c.	
Athletic Club.....	651	Deans of Faculties.....	2, 3, 4
Auditor	1	Diagnostic Society.....	650
Benefactors of University	602	Dialectic Society.....	649
,, Portraits and Busts of	60	Dickson, W., Travel. Fund.....	212
Bequests and Donations during		Discipline	33
1905-1906.....	616	Divinity, Faculty of	343
Boards of Studies.....	125, 286	Bursaries and conditions of	
Botanic Garden, Royal.....	65	tenure ¹ —	
Buildings, University	39	Alexander (3)	355
Bursaries. <i>See</i> under the various		Bayne (1).....	359
Faculties.		Blair (4, 5)	355
Caithness Society.....	651	Brown (18).....	356
Calendar, University	xv-xxix	Buchanan (1)	356
Carnegie Trust.....	164	Ettles (5)	356
Carnegie Scholarships, Fellow-		Grant (1)	360
ships and Grants in aid.....	213	Grierson (6)	356
Celtic Society.....	650	Hepburn (10, 11, 12).....	356
Ceremon., Ann. Graduation, &c.	33	Hunter (14).....	356
Chairs.....	2	Jamieson (2)	360
Chancellor.....	1, 12	King William (4)	356
Charter of University.....	11	Lockerby (16)	356
Chemical Society.....	651	M'Kissock (6).....	355
Church of Scot., Curriculum for.	344	Maclaurin (4).....	360
Civil Service Commission Exam-		M'Lurg and Penman (2)	355
inations.....	122	Mylne (9)	356
Classes, Programmes of. <i>See</i>		Nairne, A. (1)	355
under the various Faculties.		Nairne, J. (2).....	359
,, Opening of New	37	Ramsay (3)	356
Classical Library	58	Renton (13)	356
Classical Society	651	Sharp (17)	356
Clerk.....	1, 10	Sibbald (3).....	360
		Simson (15).....	356

¹ The figures in parentheses refer to the numbers of the Foundation.

	PAGE		PAGE
Divinity, Faculty of—		Divinity, Faculty of—	
Bursaries and conditions of		Scholarships—	
tenure—		Vans Dunlop, in History.....	363
Struthers and Leighton (2).....	356	Open in 1906-1907	367
Thomson (8)	356	Payable by Factor.....	368
Webster (7)	356	Donations and Bequests during	
Open in 1906-1907	365, 367	1905-1906	616
Payable by Factor	368	Dumfries and Galloway Lit. Soc.....	652
Class and Prize Lists	558		
Classes, Programme of	343	Educational Society.....	652
Courses	345	Endowments.....	604
Arabic	347	Engineering Society.....	651
Biblical Criticism and Bib-		Endowment of University, As-	
lical Antiquities.....	348	sociation for better.....	649
Divinity	345	Entrance Fee.	32
Ecclesiastical History.....	348	Exams., Outline of Subjects of.	
Hebrew	346	<i>See under the various Faculties.</i>	
Natural Science, Gunning		Examiners for Degrees.....	6, 33
Lectureship in.....	349	Appointment of.....	37
Natural Theology, Gifford		Absence of.....	36
Lectures in.....	349	Examinerships, Applications for	37
Syriac	348	Extra - Academical Lecturers,	
Curriculum	344, 350	Rules for Recognition of.....	37
Examination of Candidates		,, recognised by University	
for License by Presbtery		Court	128, 289, 465
of Edinburgh.....	645		
Graduation in	350	Faculties	2, 3, 4, 19
Subjects of Examination.....	351	Arts	2, 20
Time-Table of Examinations		Divinity	3, 23
and dates of Entering.....	352	Law.....	3, 24
Fees for B.D.....	352	Medicine.....	4, 25
Graduates, 1905-1906	353	Music	4, 27
Hon. Graduates, List of (D.D.)	353	Science.....	3, 23
Prizes—		Factor for University.....	1
Barty Memorial	360	Fees for Classes. <i>See under the</i>	
Gray	368	<i>various Faculties.</i>	
Gunning.....	360	,, General Council.....	27
Hepburn	360	,, Entrance.....	32
Open in 1906-1907.....	366	Fellowships. <i>See under the vari-</i>	
Scholarships—		<i>ous Faculties.</i>	
Aitken	362	Foundations, New.....	
Bruce.....	363	Franco-Scottish Society.....	648
Cobb	364	French Society.....	652
Glover.....	362	Funds, Univ. Statement of.....	619
Gray	364		
Jeffrey	364	Gen. Council of the Univer....	10, 27
Kidd	363	Geology, Swiney Lectureship in	338
Maxton	362	German Society.....	652
Pitt Club.....	361	Gifford Lectures on Natural	
Scott.....	364	Theology	349
Vans Dunlop, in Hebrew, &c.....	363	Gold Medallists.....	473

PAGE	PAGE
Graduation, Regulations for. <i>See</i> under the various Faculties.	Law, Faculty of—
,, Ceremonials, Precedence at. 33	Bursaries and conditions of tenure—
Gunning Lect. in Nat. Science...349	Allan (5).....394
Historical Society.....653	Baxter of Balgavies 183, 221
Honorary Degrees in—	Cairns (2) 393, 394, 398
Divinity 353	Grant (1).....394
Law.....388	Grierson (1).....393, 398
Music.....520	Jamieson (2) 394
Income and Expenditure of Uni-	Maclaurin (6).....394
versity 619	Renton (4).....394, 398
India, Civil Service Com. Exams.122	Sibbald (3).....394, 398
Inter. Academic Committee 648	Thomson (3).....393, 394, 398
Inter-Univ. (Scottish) Rifle	Open in 1906-1907.....398
Match 656	Payable by Factor. 399
Janitor.....10	Classes, Programme of 369
Joint Board of Examiners for	Class and Honour Lists 559
Preliminary Examination.....521	Courses —
Keepers of Museums.....10	Administrative Law.....377
Laboratories—	Civil Law 370
Anatomy 246, 408	Comm. and Political Econ.
Astronomy 76, 245	and Mercantile Law. . .373
Botanical 76, 245, 407	Constitutional Law and
Chemical 76, 245, 408	History 374
Engineering 245	Conveyancing 372
Forensic Medicine 409	Forensic Medicine 375
Geological 76, 245	International Private Law 376
Materia Medica 409	Procedure and Law of Evi-
Natural History.....76, 246, 408	dence.....376
Obstetrical and Gynecol-	Public Law.....373
ogical 408	Scots Law.....371
Pathological.....409	Graduation, Regulations for...377
Physical 76, 245, 407	LL.B. 378
Physiological 245, 407	B.L. 379
Practice of Physic 407	Prelim. Exam. for B.L. 381
Public Health.....246, 409	Outline of Examinations for
Surgical 409	LL.B. and B.L. 381
Fees 76, 245, 246, 407	Dates of Entry for Exams.
Law, Faculty of 369	and payment of Fees.....383
Bursaries and conditions of	Fees for Degrees 382
tenure 393	Graduates, LL.B. 384
	,, B.L. 387
	Hon. Graduates, LL.D. 388
	Prizes—
	Forensic 397, 398
	Gladstone Memorial....397, 398
	Gray.....398
	Muirhead.....397, 398
	Rector's.....218, 398
	Open in 1906-1907.....398
	Payable by Factor 399

	PAGE		PAGE
Law, Faculty of—		Lectureships—	
Scholarships—		History.....	5
Gray.....	396	Infective Fevers.....	6
Lorimer.....	396	International Private Law.....	6
Thow.....	396	Latin.....	5
Vans Dunlop Scholarships—		Logic, &c.....	5
Commercial and Political		Mathematics.....	5
Econ. and Mercantile		Military Subjects.....	5
Law.....	395	Mineralogy and Crystallo-	
History.....	396, 398	graphy.....	5
Law of Nature and Na-		Moral Philosophy.....	5
tions, Civil Law and		Mental Diseases.....	6
Constitutional Law and		Natural Philosophy.....	5
History.....	395	Pathological Bacteriology.....	6
Scots Law and Convey-		Petrology.....	5
ancing.....	395	Physiology (Experimental)....	5
Open in 1906-1907.....	398	Physiological Chemistry.....	5
Lecturers, University.....	xxxiii, 4	Physiology of Reproduction... 5	
„ Absence of.....	35	Plant Physiology.....	5
„ Extra - Academical,		Procedure and Evidence.....	6
recognised.....	128, 289, 465	Rhet. and English Lit.....	5
„ Regs. for recognition of	37	Swiney.....	338
Lectureships, University.....	4	Zoology, Invertebrate.....	6
Administrative Law.....	6	Librarian, University.....	10
Anaesthetics.....	6	Librarians, Assistant.....	10
Anatomy.....	6	Library, University.....	46
Applied Anatomy.....	5	Committee.....	47
Applied Mathematics.....	5	Regulations.....	48
Agricultural Chemistry.....	5	Use of.....	51
Agricultural Entomology.....	5	Reading-Rooms.....	56
Ancient History.....	5	Donations and Bequests to.....	607
Astronomy.....	5	Astronomy.....	59
Chemistry.....	5	Classical (Sellar and Goodhart)	58
Diseases of Children.....	6	Engineering.....	60
Diseases of the Eye.....	6	History.....	58
Diseases of the Larynx, Ear,		Honours, Modern Languages..	59
and Nose.....	6	Music.....	60
Diseases of the Skin.....	6	Natural Philosophy.....	59
Diseases of Tropical Climates	6	Philosophical Honours, &c.....	58
Economics.....	5	Physiological.....	59
Embryology.....	6	Theological.....	57
Experimental Pharmacology... 6			
Forestry.....	5	“M'Ewan University Hall”.....	43
French Language, &c.....	5	Masson Hall.....	659
Geomet. and Mechan. Draw-		Matriculation.....	30
ing.....	5	Sponsio Academica.....	31
German Language, &c.....	5	Fees.....	30
Gifford.....	5	Med. Council, Representative in	17
Greek.....	5	Medical Society, Royal.....	648
Gunning.....	5	Medicine, Faculty of.....	400
Histology.....	5		

	PAGE		PAGE
Medicine, Faculty of—		Medicine, Faculty of—	
Bursaries and conditions of		(Courses in—	
tenure ¹ —		Forensic Medicine	426
Abercromby (1)	501	Gynecology	425
Allan (14)	504	Materia Medica	418
Anderson (8)	503	„ Practical	419
Baxter of Balgavies	183, 221	„ Research Labor	419
Carlyle, J. A. (7)	503, 511	Medicine	421
Crichton (10)	503, 511	Mental Diseases	421
Grant (11)	504	Midwifery	424
Grierson (4)	502, 510	Nat. History of Disease—	
Grigor (18)	505, 511	carrying Insects, &c.	434
Heriot (9)	503	Pathology	419
Jamieson (12)	504	„ Practical	420
M'Cosh (16, 17)	504, 510	Pharmacology, Experimental	419
Mackenzie (6)	503, 511	Physics	413
Mackie (3)	502, 511	Physiology	416
Maclaurin (15)	504	„ Practical	417
Renton (13)	504, 511	„ „ (Advanced)	418
Sibbald (2)	501, 510	Physiological Research	418
Thomson (5)	503, 510	Public Health	427
Town Council	510	Surgery	422
Open in 1906-1907	510	Tropical Hygiene	433
Payable by Factor	512	Vertebrate Morphology	412
Classes, Programme of	400	Zoology	411
Class Exams., Regulations for	454	„ Practical	412
„ Attendance	454	Zoological Research	412
Class Prize Lists	562	Curriculum, Minimum for De-	
Courses in	411	grees in	452
Anatomy	414	Extra Academical Teachers	
„ Applied	415	recognised	465
„ Practical	415, 416	Fees for Exams.	460
„ Regional	415	Fellowships—	
Bacteriology, Practical	420, 431	Allan	491, 509
Botany	411	Carnegie	213, 492
„ Practical	411	Dickson Travelling Fund	212, 492
Chemistry	412	Freeland-Barbour	491
„ Practical	413	Goodsir	490
„ Tutorial	413	Heriot Research	492
Clinical Medicine	429	Leckie-Mactier	491, 509
„ „ Tutorial	429	Moray Bequest for Re-	
Clinical Surgery	428	search	213, 492
Comparative Embryology	412	Syme	490
Disease in Children	430	Open in 1906-1907	509
Diseases of the Eye	423	Payable by Factor	512
„ Larynx, Ear, and Nose	424	Prelim. Exam. in	435, 461, 471
„ Tropical Climates	431, 432, 458	Addl. Regs. of Joint Board	
„ Skin	430	for	521, 527
		Exams. exempting from	529

¹ The figures in parentheses refer to the numbers of the Foundations.

	PAGE		PAGE
Medicine, Faculty of—		Medicine, Faculty of—	
Prelim. Exam. in—		Scholarships—	
Time-Table and dates of		Carnegie.....	492
Entry.....	450	Coldstream Memorial.....	494
Professional Education (New		Crichton.....	499, 510
Regulations).....	436	Ettles.....	493, 510
Professional Education (Old		Grocers' Co. of London.....	500, 510
Regulations).....	470	Hope Prize.....	498, 510
Professional Exams., Outline		Houldsworth.....	499, 510
of Subjects for.....	455	Mackay Smith.....	499
Prof. Exams., Regs. for M.B. 443		M'Cunn.....	499
Honours in.....	457	Mouat.....	498, 510
Time-Table and Dates of		Murchison.....	497, 510
entering.....	461 470,	Scott.....	498, 510
Exam. for M.D.	445	Sibbald.....	493, 510
„ M.D. (Old Regns.).....	471	Stark.....	497
„ Ch.M.	447	Thomson.....	493, 510
Regulations for Diploma in		Vans Dunlop—.....	494
Tropical Medicine and		Anatomy and Physiology.....	496
Hygiene.....	458	Botany and Zoology.....	495
Fees for ditto.....	464	Chemistry, Anatomy, and	
Regulations for Research, &c. 129		Physics.....	495
Graduation in.....	435	Materia Medica.....	496
Graduation of Women.....	448	Pathology and Medical	
Graduates in, with Honours.....	479	Jurisprudence and Pub.	
Graduates in, in 1905-1906		Health.....	496
475, 484		Physiology and Surgery.....	495
M.D. Gold Medallists.....	473	Preliminary Subjects.....	494, 510
M.D., 1905-1906.....	475	Open in 1906-1907.....	510
D.Sc., Regulations for.....	130	Payable by Factor.....	512
Prizes—		Research, Regulations for.....	129
Anderson-Henry.....	508	Special Certificate for Diseases	
Beaney.....	506, 511	of Tropical Climates.....	459
Cameron.....	507, 511	Sponsio.....	458
Conan Doyle.....	509, 511	Medical Students, Registration	
Dobbie-Smith.....	507	of.....	452
Ellis.....	338, 511	Military Subjects, Regulations	
Gilfillan.....	509, 511	for Education in.....	228
Gold Medals for M.D. Theses		Abstract of War Office Regu-	
506, 511		lations.....	228
Gray.....	196, 217, 511	Curriculum of the Military	
Gunning.....	507, 511	Lectures.....	234
Milner Fothergill.....	508	Practical Field Training and	
Neil Arnott.....	505, 511	Drill.....	235
Pattison.....	508, 511	Regulations for Training in	
Rector's.....	511	Military Subjects.....	233
Wightman.....	506, 511	Millport Marine Station.....	65
Wilson.....	506, 511	Missionary Association.....	653
Open in 1906-1907.....	511	Moray Endowment for Research	
Scholarships—		212, 338	
Buchanan.....	497, 510	Muir Hall.....	659

	PAGE		PAGE
Museums.....	62	Research, Regs. for Special Study	
Museums, Committee.....	62	and	129
Keepers of.....	10	Residence and Board—	
Music, Faculty of.....	513	For Men Students.....	658
Programme of Classes and Fees	513	For Women Students.....	659
Class Prize Lists.....	600	Rifle Shooting Club.....	656
Graduation in.....	515	Riotous Conduct, Penalties for...	33
Honorary Mus.D.	517	Royal Medical Society.....	648
Prelim. Exam.	515, 518	Royal Botanic Garden, &c.....	65
Dates of entering for Exams.			
and payment of Fees.....	519	Scholarships. See under the	
Scholarship in (Bucher).....	520	various Faculties.	
Musical Society.....	653	Schoolmaster's Diploma, Regu-	
		lations for.....	161
Officials of University.....	1	Science, Faculty of.....	238
Orcadian Association.....	654	Bursaries and conditions of	
Organist, University.....	10	tenure—	
		Baxter of Balgavies.....	183, 221
Parliamentary Representative 1,	13	Fraser.....	341
Patrons of Chairs.....	2, 15, 17	Grant.....	181, 341
Penalties for Breach of Disci-		Heriot.....	341
pline.....	33	Jamieson.....	181
Philomathic Society.....	650	Reid and Thomson.....	337
Philosophical Honours Library...	58	Renton.....	341
Philosophical Society.....	654	Sibbald.....	341
Photographic Society.....	654	Town Council.....	341
Physiological Library.....	59	Vacant in 1906-1907.....	341
Physiological Society.....	654	Payable by Factor.....	342
Portraits and Busts of Professors		Class, Prize, and Hon. Lists.....	552
and Benefactors.....	60	Classes, Programme of.....	238
Precedence of Faculties.....	33	Courses in Pure Science—	
Principal.....	1, 18	Astronomy.....	251
Prize Lists, 1905-1906—		Botany.....	248
Arts.....	532	Chemistry.....	249
Divinity.....	558	Embryology.....	247
Law.....	559	Geology, including Miner-	
Medicine.....	562	alogy.....	254
Music.....	600	Human Anatomy, including	
Science.....	552	Anthropology.....	252
Prizes. See under Faculties.		Mathematics.....	247
Professors, Addresses of.....	xxxi	,, Applied.....	249
Absence of, Regulations for...	34	Mineralogy and Crystallo-	
		graphy.....	251
Rector of University.....	1, 12	Morphology of Vertebrata...	248
Rectorial Elections, Statistics of..	647	Natural Philosophy.....	249
Registrar Univ. Gen. Council....	10	Petrology.....	256
Registn. of Members of Council..	27	Physiology.....	253
Reid School of Music.....	45	Plant Physiology.....	248
Representative in Parliament...1,	13	Zoology.....	247
		,, Invertebrate.....	248

	PAGE		PAGE
Science, Faculty of—		Science, Faculty of—	
Courses in Applied Science—		Scholarships—	
Agriculture, &c.	273	Hope Prize.....	334, 340
Agricultural Chemistry	278	Mackay Smith—	
Agricultural Entomology.....	280	Chemistry.....	335
Clinical Instruc., Fevers, &c.....	272	Natural Philosophy.....	335
Drawing and Mensuration.....	272	Physical Science (Exhibition	
Economics bearing on Agri-		of 1851).....	335, 339
culture.....	281	Steven	334, 340
Engineering.....	259, 282	Geology, Swiney Lecture-	
„ Electrical	266	ship in	338
Engineering Field Work	260, 282	Trevelyan	336, 340
„ Drawing.....	261	Vans Dunlop Scholarships—	
„ Laboratory.....	260, 262	General Regulations.....	333
„ Mechanical.....	263	Agriculture.....	333, 340
Municipal Engineering.....	263	Chemistry	333
Sanitary, &c.	271	Engineering	334, 340
Experimental Physics.....	282	Mathematics.....	333, 339
Forestry.....	281	Natural History, includ-	
Colonial and Indian Agri-		ing Geol. and Bot.	333, 339
culture.....	276	Natural Philosophy.....	333, 339
Mathematics, Applied.....	258, 267	Open 1906-1907.....	339
Physics.....	258, 270	Graduation in Pure Science....	284
Public Health	268	Preliminary Examination....	284
Laboratory Work.....	268	Add. Regs. of Joint Board for	
Landlord and Tenant	283	Exams. Exempting from....	521
Veterinary Hygiene.....	280	Curriculum in	288
Fellowships—		Examinations for B.Sc.....	290
Carnegie	338	Courses for Final Examina-	
Falconer	331	tion	291
Heriot	331	Special Study and Research,	
Open in 1906-1907	339	Regulations for	129, 294
Prizes—		D.Sc., Regulations for.....	130, 293
Dobbie-Smith.	497, 507	Graduation of Women	296
Ellis	338	Outline of Examinations....	297
Gray	341	Fees.....	322
Gunning Victoria.....	507, 511	Time-Table and dates of	
Kelland.....	341	Entering for Exams.....	323
Newton	341	Engineering, Regs. for B.Sc.—	
Rector's	341	Preliminary Examination....	303
Open in 1906-1907.....	341	Courses of Instruction.....	303
Payable by Factor.....	342	Examinations.....	304
Scholarships—		D.Sc., Regulations for.....	306
Arnott, Neil.....	335, 340	Outline of Examinations....	307
Baxter (Sir D.)—		Fees.....	322
Natural Science.....	332	Dates of Examinations.....	323
Physical Science	331	Public Health, Regulations for	
Baxter of Balgavies	336, 340	B.Sc.—	
Carnegie.....	338, 341	Curriculum	309
Gray	337, 340	Laboratory Work	312
Grocers' Co. of London.....	340		

	PAGE		PAGE
Science, Faculty of—		Theological Library.....	57
Public Health, Regulations for		Theological Society.....	657
B.Sc.—		Torrie Fine Art Collection.....	62
Regulations for D.Sc.....	314	University Assistants	6
Fees	322	,, Battery	655
Dates of Examinations.....	325	,, Buildings.....	39
Agriculture, B.Sc.—		,, Chancellor.....	1, 12
Preliminary Examination....	315	,, Christian Union.....	656
Courses of Instruction.....	316	,, Committee of Privy Council..	16
Examinations	317	,, Constitution.....	11
Outline of Examinations	319	,, Court.....	1, 13, 34
Fees for Examinations.....	322	,, Curators.....	2, 17
Dates of Examinations.....	323	,, Endowment Association.....	649
D.Sc., List of.....	327	,, Principal	1, 18
Degrees conferred, 1905-1906...	329	,, Requirements of.....	602
Scots Law Society.....	650	,, Examiners for Degrees, &c. 7,	33
Senatus Academicus.....	xxxi, 2, 18	,, Library	46
Scottish Inter-University Rifle		,, Lecturers.....	5
Match Competition	656	,, Lecturers, Addresses of....	xxxiii
Societies and Clubs, University		,, "M'Ewan Hall".....	43
,, Associated.....	649	,, Usher Institute	44
,, Associated (Science).....	650	,, Organist.....	10
Sponsio Academica on Matricu-		,, Professors... ..	2, 20
lation	31	,, Addresses of	xxxi
for Graduates in Arts.....	171	,, Addresses of Emeriti and	
for Graduates in Med.....	458	Resigned	xxxii
Students, Matriculated, Number		,, Hall.....	658
of.....	31	,, Rector.....	1, 12
Representative Council.....	29	,, Representative in Gen. Med.	
Residences and Board—		Council.....	17
1. For Men Students—		.. Representative in Parlia-	
University Hall, &c.....	658	ment.....	13
2. For Women Students.....	659	,, Union	646
(1) Masson Hall.....	659	U.F.C. Students' Society	657
(2) Muir Hall.....	659	Vice-Chancellor.....	1, 12
Summer Debating Society	657	Volunteer Company (Q.R.V.B.,	
Swiney Lectureship in Geology		R.S.).....	656
	338	Volunteer Missionary Union....	653
Teachers, Recognition of Extra		Warders.....	10
Academical.....	37	Women's Christian Union.....	657
Teachers, Recognised Extra		Women's Debating Society.....	658
Academical.....	128, 289, 465	Women Students, Residences for	659
Temperance Society	657		



TUTORIAL & EDUCATIONAL INSTITUTE, **25 NORTH BRIDGE, EDINBURGH.**

THE LEADING TUTORIAL COLLEGE FOR UNIVERSITY EXAMINATIONS.

Principals—

J. GORDON LAING, M.A. Hons., Aberdeen.

FIRST-CLASS HONOURS IN CLASSICS. Medallist in Latin and Greek. First Prize Honours Classical Archaeology, and First-Class Certificate in French at Edinburgh University: Prizeman in English: Government Certificated Teacher.

GEORGE W. JONES, M.A. Hons., B.Sc., Edinburgh, F.R.S.E.

FIRST-CLASS HONOURS MATHEMATICS AND NATURAL PHILOSOPHY. First-Class Honours Certificates in all classes attended at Edinburgh University, numbering seventeen, and including seven first places; Class-Medallist in Mathematics, Latin, Logic, Advanced Physics, and Honours Natural Philosophy, John Edward Baxter Mathematical Scholarship of £255; Government Certificated Teacher and Normal Training College Dux, with First Prize and First MacLaren Scholarship.

Classes are conducted to prepare students for:—

1. **Medical, Arts, Science and Law Preliminary Examinations.** (Those who would have attended the University Classes in Junior Latin, Mathematics and Greek, had these not been discontinued, will find that the Preliminary Classes in these subjects meet their needs.)
2. M.A. and B.Sc. Degrees in Mathematics, Natural Philosophy, and Chemistry.
3. M.A. Degrees in Latin, Greek and Logic.
4. First Professional Medicine in Chemistry and Physics.
5. Engineering and Honours Mathematics and Advanced Dynamics.

Private tuition may be had for these and other examinations, for bursary competitions and Class Prize Lists.

The Classes of the Institute were opened in 1901. Since then the numbers taking advantage of the tuition given have steadily increased, and for the last three years the Institute **Results at Edinburgh University have been the Highest in Edinburgh.**

Results at Edinburgh University for September 1905 and March 1906:—

PRELIMINARY HIGHER and INTR., 76 PASSES

„ „ LOWER, 77 PASSES

DEGREES, 50 PASSES

At the Graduation Ceremonials—April 1905 and 1906—30 Former and Present Students graduated in Arts and Science, including 5 with First Class Honours.

Prospectus may be had on application.

**References to University Professors and to former students
and to parents.**

1—*Back.*

UNIVERSITY PRELIMINARY EXAMINATIONS.

220 SUCCESSES in MARCH 1906.

SKERRY'S COLLEGE

achieves, at every Examination, a new record in the passing of students. It passed 220 at Edinburgh, Glasgow, and St Andrews, in March 1906. It stands pre-eminently **FIRST** among the Tutorial Institutions of Scotland, and steadily increases its efficiency by adding to its Staff none but Graduates of Distinction, who have a special aptitude for tutorial work. Its growing popularity is evident from its having (in August 1906) again to increase its accommodation.

University Preliminary Prospectus free from—

THE SECRETARY,

SKERRY'S COLLEGE,
NICOLSON SQUARE, EDINBURGH.

(Entrance: Hill Place.)

J. M. DENT & CO.'s BOOKS

EDINBURGH

and its Story.

By OLIPHANT SMEATON.

With nearly 100 Illustrations (50 being in colours, and 20 in two tints), by

J. AYTON SYMINGTON, and
HERBERT RAILTON.

Large Fcap. 4to. Cloth, full gilt back and side. £1, 1s. net.

Also a Large Paper Edition, limited to 100 copies, with additional Illustrations.

"A survey of the whole story and of the whole area of the Scottish Capital and its environs, and a repository of its stores of legend, literary associations, and social memories set in order by one who loves, and who has made himself thoroughly conversant with his theme."—*Scotsman*.

MEDIÆVAL TOWN SERIES

"Literary Guide Books."

EDINBURGH.

By OLIPHANT SMEATON.

ILLUSTRATED BY

H. RAILTON and J. A. SYMINGTON.

Cloth, 4s. 6d. net; Leather, 5s. 6d. net.

"Briskly written and suitably seasoned with classical anecdotes. The instructions are clear and practical, the comments are to the point, and the illustrations decidedly good."—*Athenæum*.

Please write for full list of this Series.

ENGLISH MEN OF SCIENCE.

EDITED BY

Dr J. REYNOLDS GREEN.

FIRST VOLUME.

HERBERT SPENCER.

By J. ARTHUR THOMSON, M.A.

*With Photogravure Frontispiece.
2s. 6d. net.*

Please write for Prospectus.

TEMPLE CLASSICS.

Cloth, 1s. 6d. net; Leather, 2s. net.

A Series of choice examples of the world's literary masterpieces, presented in a form at once convenient, inexpensive, and pleasing.

"This series . . . is the daintiest, handsomest and handiest ever as yet issued by any publishing house. Portable gems every one of them."—*Punch*.

LATEST VOLUMES.

Burke's Speeches on America.

Goethe's Faust, Part II.

Browning's Dramatis Personæ.

AND

Palgrave's Golden Treasury.

Please write for descriptive list of the 300 volumes comprised in this Series.

TEMPLE GREEK & LATIN CLASSICS.

Cloth, per Volume, 2s. 6d. net.

A new Series with original text on one page and the translation opposite.

LATEST VOLUME.

Euripides' Medea and
Hippolytus.

LES CLASSIQUES FRANÇAIS.

Cloth, 1s. 6d. net; Leather, 2s. 6d. net.

IN THE ORIGINAL FRENCH.

Please write for lists.

PRIME MINISTERS OF ENGLAND.

Edited by STUART J. REID.

VOLUMES NOW READY.

Beaconsfield (by FROUDE, Ninth Edition); Aberdeen; Melbourne; Peel; Russell; Palmerston; Derby; Salisbury; Gladstone; Rosebery.

*Cloth, Photogravure Frontispiece,
2s. 6d. net.*

J. M. DENT & CO., 29 Bedford Street, London, W.C.

Books for Graduation in Science.

NATURAL HISTORY.

Shipley & M'Bride's Zoology, ...	£0 10 6
Thomson's Zoology, ...	0 11 3
Claus' Zoology, Part I., ...	0 16 0
„ „ Part II., ...	0 12 0
Ewart's Syllabus of the Mammalia, ...	0 10 0
„ „ Practical Dissections, ...	0 5 3
„ „ Class Syllabus, ...	0 2 6
Fothergill's Zoological Types, ...	0 3 9
Marshall & Hurst's Practical Zoology, ...	0 8 0
Sedgwick's Students' Text-Book of Zoology, Vol. I., ...	0 13 6
Parker and Haswell's Text-Book of Zoology, 2 vols., ...	1 16 0
„ „ Manual of Zoology, ...	0 8 0
Parker and Parker's Practical Zoology, ...	0 8 0
Marshall's Anatomy of the Frog, ...	0 3 0
Masterman's Zoology, ...	0 10 6
M'Alpine's Zoological Atlas, Vertebrates, ...	0 5 0
„ „ Invertebrates, ...	0 5 0
„ „ Biological Atlas, ...	0 5 0
Flower and Lyddeker's Mammalia, ...	0 9 0
Darwin's Origin of Species, ...	0 2 6
Wallace's Darwinism, ...	0 6 9
„ „ Island Life, ...	0 4 6

BOTANY.

Vines' Botany, ...	0 11 3
„ „ Elementary Botany, ...	0 6 9
Bower and Vines' Practical Botany, ...	0 2 8
Fothergill's Botanical Types, ...	0 1 6
De Bary's Comparative Anatomy of the Phanerogams and Ferns, ...	0 17 0
„ „ Comparative Morphology of Fungi, Mycetozoa, &c., ...	0 17 0
Goebel's Classification and Morphology of Plants, ...	0 16 0
Vines' Lectures on the Physiology of Plants, ...	0 16 0
Sach's History of Botany, by Bayley Balfour, ...	0 8 0
Schimper's Plant Physiology	2 2 0
Scott's Botany, 2 vols., ...	0 5 4
Strassburger's Text Book of Botany, ...	0 18 0
Hayward's Botanist's Pocket Book, ...	0 3 6
Babington's British Botany, ...	0 9 0
Strasburger and Hillhouse's Practical Botany, ...	0 6 9

CHEMISTRY.

Roscoe's Elementary Lessons in Chemistry, ...	0 3 5
Wurtz's Chemistry, ...	0 8 0
Bloxam's Chemistry, ...	0 13 6
Dobbin and Walker's Chemistry, ...	0 1 11
Newth's Manual of Inorganic Chemistry, ...	0 5 0
„ „ Chemical Analysis, ...	0 5 0
Cohen's Organic Chemistry, ...	0 4 6
Dittmar's Quantitative Analysis, ...	0 2 0
Dobbin's Arithmetical Chemistry, ...	0 1 0
Milne Murray's Chemical Equations, ...	0 1 8
Perkin & Kipping's Organic Chemistry, ...	0 5 8
Watt's Dictionary of Chemistry, by Muir and Morley, 4 vols., ...	5 0 0

JAMES THIN, Publisher to the University,

54 & 55 South Bridge 14 & 15 Infirmary Street and 1 & 2 Lindsay Place.

MATHEMATICS, PHYSICS, and ENGINEERING.

Chrystal's Algebra, Part I., ...	£0 9 6
" " Part II., ...	0 9 6
Pressland and Tweedie's Trigonometry, ...	0 2 11
Smith's Solid Geometry, ...	0 7 2
" Conic Sections, ...	0 5 8
Taylor's Ancient and Modern Geometry of Conics, ...	0 11 3
Williamson's Differential Calculus, ...	0 8 9
" Integral " 	0 8 9
Burnside and Pantou's Equations, 2 vols., ...	0 16 0
M'Gregor's Kinematics and Dynamics, ...	0 8 0
Watson's Physics, ...	0 8 0
Peddie's Physics, ...	0 5 8
Poynting and Thomson on Sound, ...	0 6 6
" Properties of Matter, ...	0 8 0
" Heat, ...	0 11 3
Gibson on the Calculus, ...	0 5 8
Forsyth's Differential Equations, ...	0 10 6
Blaikie's Elementary Dynamics, ...	0 2 11
Young's General Astronomy, ...	0 9 6
Knott's Physics, ...	0 5 8
Lamb's Infinitesimal Calculus, ...	0 9 0
Ewing's Steam Engine, and other Heat Engines, ...	0 11 3
Fidler's Bridge Construction, ...	1 2 6
Joubert's Electricity, by Foster and Porter, ...	0 10 6
Middleton and Chadwick's Surveying, 2 vols., ...	0 16 0
Rankine's Civil Engineering, ...	0 12 0
" Applied Mechanics, ...	0 9 6
" Steam Engine, ...	0 9 6
Cotterill's Applied Mechanics, ...	0 13 6
Rosenberg's Electrical Engineering, ...	0 4 6
Perry's Steam, Gas, and Oil Engines, ...	0 7 6
Tait and Steele's Dynamics of a Particle, ...	0 9 0
Muir's Determinants, ...	0 17 0
Smith and Gale's Elements of Analytic Geometry, ...	0 6 6

GEOLOGY.

Geikie's (Jas.) Outlines of Geology, ...	0 9 0
" (Jas.) Structural and Field Geology, ...	0 12 6
" (Arch.) Text-Book of Geology, 2 vols., ...	1 10 0
" (Arch.) Elementary Physical Geography, ...	0 3 5
" Founders of Geology, ...	0 10 0
Marr's Stratigraphical Geology, ...	0 4 6
Harker's Petrology, ...	0 5 8
Wood's Elementary Palaeontology, ...	0 4 6
Zittel's Palaeontology, Vols. I. and II., ...	1 15 0
Geikie's (A.) Field Geology, ...	0 2 8
Jordan's Crystallography, ...	0 1 3
Hatch's Petrology, ...	0 5 8
" Mineralogy, ...	0 2 0
Dana's Mineralogy, ...	0 8 6
Geikie's (Jas.) Great Ice Age, ...	0 18 0
" Prehistoric Europe, ...	0 18 9
Nicholson's Palaeontology, 2 vols., ...	2 8 0
Stockbridge's Rocks and Soils, ...	0 10 6
Chamberlain and Salisbury's Geology, ...	1 1 0

TUTORIAL COLLEGE,

94 GEORGE STREET, EDINBURGH.
(Established 1895.)

W. ROSS COOPER, M.A.,

*Aberdeen University, with Honours in Classics, and late Senior Classical Master
in Glasgow Academy and in Edinburgh Institution,*

Assisted by a Staff of Graduates and Experienced Teachers,
Conducts special Classes for Ladies and Gentlemen for
Preliminary in Arts, Science, Medicine, and Law (B.L.), Army,
Indian Forests, Navy and Fettes Scholarships; and for
General Knowledge (Law), C.A., Dental,
Pharmaceutical, and other Examinations.

Candidates also prepared for

Responsions, Little-go, and London University; and for M.A.,
Edinburgh University.

Private Lessons by arrangement at Moderate Terms.

**A LARGE NUMBER OF PUPILS PASS TO THE
UNIVERSITY EVERY YEAR.**

Oxford and Cambridge Students and Boys from Public Schools
assisted between terms and during the long vacation.

*Individual attention given to Boys who, from weak
health or other causes, are unsuited for school life.
Such boys prepared for business or for the Universities.*

REFERENCES.

Sir HALLIDAY CROOM, M.D., F.R.C.P.E., 25 Charlotte Square.
Lieutenant-General SHERRIFF, 27 Palmerston Place.
Very Rev. Dr CAMERON LEES, Dean of the Chapel Royal, 33 Blacket Place.
JOHN ALISON, Esq., M.A., Headmaster of Watson's College.
D. FORBES DALLAS, Esq., S.S.C., 25 Charlotte Square.
BENJAMIN NEAVES PEACH, F.R.S., LL.D., 72 Grange Loan.
Dr RICHARDSON, Tigh-na-maire, North Berwick.
Sheriff FERGUSON, 11 Wemyss Place, Edinburgh.
Dr MENZIES, 20 Rutland Square.
Sir JAMES RUSSELL, M.B., Woodville, Canaan Lane, Edinburgh.
Rev. ALEXANDER WHYTE, D.D., St George's, Edinburgh.
Rev. W. J. M'KAIN, 28 Palmerston Place, Edinburgh.

THE SCOTTISH PROVIDENT

TH
or the
would
to an
Policy
for th
exclus

Prem

Age
Birth

Durin
25 pa
15
Single

[The

The
Policy
the fo
An In
before

Age

Author *Edinburgh, Univ of*
Title *Calendar 1908-09*

University of Toronto
Library

DO NOT
REMOVE
THE
CARD
FROM
THIS
POCKET

Acme Library Card Pocket
Under Pat. "Ref. Index File"
Made by LIBRARY BUREAU

£1200
which
ivalent
to the
surance
eserved
ves.

urplus).

55
£5 2 3
£5 5 8
£6 6 7
£64 2 0

olums.]

ly to the
ystem in
is Bonus.
of death

attaining

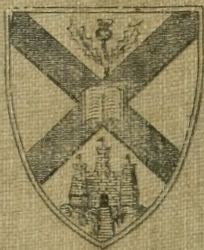
re 50.

1 9
17 8
...

.W.

HEAD OFFICE

GH.



BY SPECIAL APPOINTMENT
ROBEMAKERS
TO THE UNIVERSITY.

ROBES

FOR ALL

DEGREES.



CHRISTIE AND
KILPATRICK,
CLOTHIERS AND OUTFITTERS,
104 SOUTH BRIDGE,
EDINBURGH.

TELEGRAMS—"ROBEMAKERS, EDINBURGH."

Established 1801.